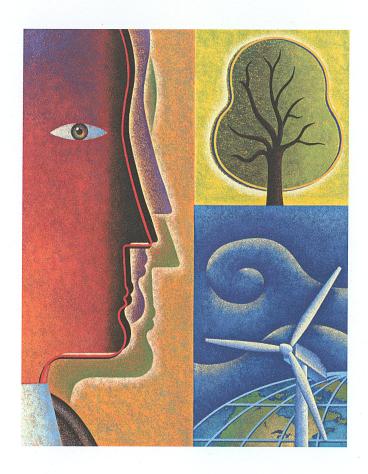


Quarterly Monitoring Report 4th Quarter 2009

Dayco Corporation/L.E. Carpenter Superfund Site Borough of Wharton, Morris County, New Jersey

USEPA ID No. NJD002168748

February 2010





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Section 1 Introduction

RMT, Inc. (RMT), on behalf of our client, has prepared this Quarterly Monitoring Report for the Dayco Corporation/L.E. Carpenter (LEC) Superfund Site ("Site") located at 170 North Main Street, Borough of Wharton, Morris County, New Jersey (Figure 1). Quarterly monitoring events are performed, and associated progress reports completed and submitted to the United States Environmental Protection Agency (USEPA), to comply with paragraph 49 of the 2009 Unilateral Administrative Order (UAO) issued to LEC by the USEPA (effective August 6, 2009). We provide a summary of activities completed during the fourth quarter of 2009 (4Q09), including but not limited to, (1) continued quarterly Contaminant of Concern (COC) and Monitored Natural Attenuation (MNA) groundwater monitoring of both the MW19/Hot Spot 1 (MW19HS1) and MW-30 eastern source reduction areas, (2) surface water quality assessments of the drainage ditch and Rockaway River, and (3) hydrogeologic and hydrologic assessments of shallow site groundwater and adjacent surface water bodies.

RMT conducted the following tasks during the 4Q09:

- Abandonment of twelve (12) MW19HS1 area wells in preparation for the demolition of Building 9 and the excavation of residually impacted soils as described in the September 2009 Addendum to the Remedial Action Work Plan for Source Reduction (Reference Sections 2, 3 and 6).
- Quarterly groundwater and surface water monitoring within the MW19HS1 area, the MW-30 source reduction area, the eastern wetland area (Wharton Enterprise property), and adjacent surface water bodies (i.e., Rockaway River and drainage ditch) as required under the 2009 UAO, and as described in the Post Remedial Monitoring Plan (PRMP) and other regulatory correspondence (Reference Sections 2, 3, 4, and 5).

Discussion of these activities is provided in the referenced sections. Specific results for each of the three (3) monitored areas of concern (AOC) are summarized as follows:

MW19HS1: Data continues to show that intrinsic bioremediation processes are strong and actively working to break down benzene, toluene, ethylbenzene, and xylenes (BTEX) components related to residual soil contamination. Contamination is limited to the Site, and the area of dissolved-phase groundwater contamination is reducing over time. However, after receipt of the New Jersey Department of Environmental Protection (NJDEP) Notice of Deficiency (NOD) dated October 16, 2008, following regulatory review of the September 2007 Remedial Action Selection Report (RASR), further delineation of residual soil contamination (lateral and vertical extent) was presented to USEPA in the Remedial

Design (RD) Report Addendum No. 2 [formerly called the Remedial Investigation Workplan (RIW)] dated November 14, 2008. Subsequent discussions with USEPA regarding the MW19HS1 area resulted in the submittal of a Letter of Intent (LOI) (RMT, January 5, 2009). The LOI outlined a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November 2008 RD Report Addendum No. 2 and September 2007 RASR, respectively. Specifically, the LOI proposed concurrent implementation of investigation and remediation, and focused the remedial alternative on soil excavation only. LEC, USEPA and RMT developed a Statement of Work (SOW) which was designed to accompany the UAO prepared by the USEPA. The final UAO and SOW documents were received by LEC on July 24, 2009 and became effective August 6, 2009, following the teleconference with USEPA. The streamlined approach outlined above was presented in an Addendum to the USEPA approved Remedial Action Work Plan (RAWP) that was submitted on September 3, 2009. [Note: the original RAWP was prepared by RMT and submitted in April 2004, and following a comment and response period was approved on December 21, 2004]. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW19HS1 specific comments were submitted by RMT to USEPA on December 29, 2009 and approved by USEPA in their email dated December 30, 2009. Implementation of the MW19HS1 area investigation and remediation began on January 11, 2009.

■ MW-30 Area (Eastern Source Area): Shallow groundwater flow is similar to flow that occurred before the 2005 source reduction in that shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam. The effect of the buried slurry monolith on groundwater flow is very limited in extent and occurs mainly within the source reduction area. The presence of the monolith does not change the overall horizontal component of flow direction towards the drainage ditch, the wetland area, and the river. Dissolved phase contaminant concentrations were detected at a number of source area PRMP monitoring locations in 4009.

In August 2008, RMT submitted an RD Report Addendum No. 1 (formerly called the MW-30 Source Area RIW) to further evaluate concentrations and light nonaqueous-phase liquids (LNAPL) remaining in this area. The RD Report Addendum No. 1 was prepared and submitted to satisfy the requirements outlined in NJDEP's NOD letter received on June 25, 2008, following review and comment on previous quarterly RAPRs. USEPA comments on the August 2008 RD Report Addendum No. 1 was received January 22, 2009 and January 30, 2009, respectively. As outlined above, LEC, USEPA and RMT developed a SOW. The scope of work outlined in the August 2008 RD Report Addendum No. 1 (including responses to comments) was also presented in RMT's September 3, 2009 Addendum to the USEPA approved RAWP. USEPA provided comments on the

- Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010.
- <u>Surface Water:</u> Rockaway River samples show non-detect for all COCs. Surface water samples from the ditch show DEHP slightly above the applicable New Jersey Surface Water Quality Standard (NJSWQS) at SW-D-2. BTEX was not detected at any surface water monitoring location.

Section 2 Groundwater Elevations and Sampling Methodology

2.1 Groundwater Elevations and Shallow Groundwater Flow Direction

RMT measured static groundwater levels within 29 groundwater monitoring wells throughout the Site on November 10, 2009 as part of the sampling activities. As previously mentioned, twelve (12) monitoring wells in the MW19HS1 area were abandoned between October 13 and 15, 2009 in preparation for the demolition of Building 9 which occurred in December 2009, and the MW19HS1 area investigative and remedial activities which began on January 11, 2009. Additional details are provided in below in Section 3.1.

In addition, surface water levels were measured at 8 separate locations along the Rockaway River and 5 locations along the drainage ditch. These data were used to calculate groundwater elevations (Table 1) with respect to the National Geodetic Vertical Datum (NGVD), and evaluate the site-wide groundwater flow pattern in the shallow aquifer system. Site-wide shallow groundwater contours and associated flow pattern are shown on Figure 3. The contours were prepared by utilizing the surveyed groundwater elevations from the new PRMP wells, existing Site wells, and river and ditch surface water elevations (Table 1).

2.1.1 MW19HS1 AOC

As historically observed, shallow groundwater in the MW19HS1 area is generally toward the northeast. Groundwater elevation data previously obtained for the MW19HS1 area wells has continuously shown that MW-19-12 is directly downgradient from the leading edge of the residual groundwater contamination. The Rockaway Valley Regional Sewer Authority (RVRSA) storm sewer line that runs west to east down Ross Street locally influences groundwater flow north and south of the utility corridor.

2.1.2 MW-30 AOC

Shallow groundwater flow is similar to flow that occurred before the source reduction in that shallow groundwater at the Site is recharged by Washington Forge Pond, as well as the first 600 feet of the Rockaway River below the dam ("losing" reach of river; see approximate flow direction arrows on Figure 3). The groundwater contour map also shows that the effect of the buried slurry monolith on groundwater flow is very limited in extent, mainly within the Source Reduction area. Specifically, the area of the monolith

can be approximated by the shape of the low swale roughly defined by the 629-foot ground elevation contour, and the inferred 625-foot groundwater contours roughly mimic the shape of that swale. The presence of the monolith does not change the overall horizontal component of flow direction.

As shown by the flow arrows on Figure 3, the bulk of the shallow groundwater on-site becomes influent to the ditch surface water; this flow-path is supported by the occasional low detections of Site COCs in some of the ditch surface water samples (see Section 5).

Again as shown by a groundwater flow arrow on Figure 3, a smaller area of the site beginning near MW-9 where the river is a "losing" stretch, hosts groundwater that flows towards and along the southeastern portion of the source reduction area and part-way into the wetland, and thence towards the river near MW-35S.

Further downgradient (further into the wetland area to the east), groundwater is mounded slightly and flows north into the ditch system, west back towards the PCB/source reduction area, and south to the river.

These flow paths are supported by groundwater testing data. Specifically, relatively high levels of contamination found in wells MW-32S, 34S, and 35S support the flow path from the impacted western end of the wetland and eastern end of the source reduction excavation area and towards the river. Similarly, a lack of detectable constituents within wells MW-21 and MW-25R support the flow path from the eastern part of the wetland located further east (just west and south of the drainage ditch) back towards the western part of the wetland (impacted portion) and thence southwards towards the river.

This condition has remained consistent over the period of remedial investigations that have been conducted on-site, and together are adequate to show that contaminant migration has reached equilibrium and will not migrate further east. Finally, another line of evidence that shows eastern migration of contaminants is limited is that fact that the construction of the regional sewer line did not encounter contamination until its construction had progressed from east to west to the western end shown on Figure 3 (effectively stopping further eastward advancement of the sewer line in the wetland area, and causing it to be re-routed further north where it now occurs under Ross Street).

2.2 Sampling Methodology

RMT conducted the 4Q09 groundwater monitoring activities November 9 through 12, 2009. Groundwater monitoring was performed in accordance with the procedures contained in the

NJDEP's *Field Sampling Procedures Manual* dated May 1992 (Revised August 2005), and methodologies outlined in our May 2001 Monitored Natural Attenuation (MNA) work plan. The MNA work plan was approved by NJDEP on January 24, 2002. A site plan showing current conditions and locations of the monitoring points sampled this quarter are shown on Figure 2.

Two sample duplicates, trip blanks, a field (atmosphere) blank, one matrix spike/matrix spike duplicates (MS/MSDs), and two rinsate blanks were collected to satisfy Quality Assurance / Quality Control (QA/QC) requirements outlined in the revised Quality Assurance Project Plan (QAPP) presented as Appendix C in the PRMP.

The trip blanks were prepared by the laboratory and remained with the sample containers until the samples were returned to the laboratory where they were analyzed for BTEX. The blind duplicate samples were collected at SW-D-2 (Dup-01) and MW-28(i) (Dup-02) and analyzed for BTEX and bis (2-ethylhexyl) phthalate (DEHP). Dup-02 was also analyzed for MNA parameters. Rinsate blank RB-01 and RB-02 were collected by circulating distilled water through the cleaned bladder pump assemblies to verify that decontamination procedures were adequate. Any sampling equipment used at each well was decontaminated prior to each use utilizing an environmental detergent (Alconox®) and clean water wash followed by a distilled water rinse. The field (atmosphere) blank was taken by opening a bottle of unpreserved distilled water, leaving the bottle open during the sampling of one well, and pouring that water directly into clean sample bottles with added preservative also provided by the laboratory. RMT submitted all samples to Lancaster Laboratories (Lancaster), located in Lancaster, Pennsylvania for BTEX, DEHP, and MNA parameter analyses (State of New Jersey Lab Certification No. PA011).

Section 3 MW-19/Hot Spot 1 Area of Concern (AOC)

A comprehensive investigative and remedial history of the MW19HS1 AOC is presented in the 4th Quarter 2007 RAPR. As outlined in the 4Q07 RAPR, the MW19HS1 AOC has been under investigation since the early 1980s. Activities began with subsurface investigation and subsequent removal of two underground storage tanks (USTs) that provided bulk liquid waste storage for former operations in Building 9. Long-term monitoring and investigation of groundwater quality within the area, and a soil gas (2006) investigation, showed that naturally occurring biodegradation is occurring, resulting in a stable dissolved phase "plume" that is slowly shrinking over time, and does not pose a risk to the residences on the north side of Ross Street.

In the June 20, 2007, NOD pertaining to review of the May 2006 Soil Gas Investigation Report, NJDEP stated that the extended time frame for degradation of dissolved phase groundwater contamination post source removal [USTs and surrounding soils] suggests that residual source material remains and must be addressed, and that proposed remedial measures be presented in a Remedial Action Selection Report (RASR). To support preparation of the RASR, RMT performed an investigation of potential residual source material in August 2007. Results of this investigation and a proposed remedial approach were presented in the RASR submitted to NJDEP and USEPA for review in September 2007. Data from the August investigation showed residual source material was present within the vadose zone soils, which suggests reductions in groundwater concentrations via natural attenuation could take many years before achieving appropriate cleanup levels. Subsequently, the RASR outlined a combination of vadose zone excavation coupled with an additional polishing step of mechanical blending of chemical oxidants in the saturated zone to expedite cleanup of the dissolved phase constituents identified in the 2007 investigation.

As outlined in Section 1, LEC, USEPA, and RMT developed a SOW for concurrent implementation of the MW19HS1 area investigation and remediation, focusing the remedial alternative for this area on soil excavation only, without the need for an additional polishing step. This approach was detailed in the September 3, 2009 Addendum to the USEPA approved RAWP. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW19HS1 specific comments were submitted by RMT to USEPA on December 29, 2009 and approved by USEPA in their email dated December 30, 2009. Implementation of the MW19HS1 area investigation and remediation began on January 11, 2009.

3.1 MW19HS1 Monitoring Well Abandonments

In preparation for the demolition of Building 9 and the excavation of residually impacted soils as described in the September 2009 *Addendum to the Remedial Action Work Plan for Source Reduction*, twelve (12) MW19HS1 groundwater monitoring wells were abandoned between October 13 and October 15, 2009, in accordance with N.J.A.C. 7:9D *Well Construction and Maintenance; Sealing of Abandoned Wells*. Specifically, the following wells were abandoned: MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2I, and GEI-2s. Eichelbergers Inc. performed the well abandonments and submitted the necessary well abandonment records to the NJDEP for each monitoring well. Well abandonment field notes and records are presented in Appendix A.

Following the completion of the MW19HS1 area remedial activities, a post-remedial groundwater monitoring well network will be proposed to USEPA for approval. The groundwater elevations from these new wells, combined with the groundwater elevations from the two remaining wells will be utilized to create the MW19HS1 shallow groundwater contours and flow direction.

3.2 Delineation of Groundwater Contamination

3.2.1 Site Contaminants of Concern (COCs)

RMT sampled groundwater from the remaining groundwater monitoring well MW-19-12 on November 10, 2009. As shown on Table 2, and consistent with historical results, the ground water sample collected from MW-19-12 did not contain any detectible concentrations of BTEX or DEHP. Corresponding field sampling data and analytical laboratory reports are presented in Appendix B and Appendix C, respectively.

During the second quarter of 2006 (2Q06), MW-19-12 was installed between former groundwater monitoring wells MW-19-7 and MW-19-11 in order to determine if dissolved BTEX constituents existed further northeast towards the residences on Ross Street. As discussed in previous groundwater quarterly monitoring reports, data continues to show that MW-19-12 is downgradient of the former MW-19-7. In fact, the "plume" of dissolved phase constituents of concern has shrunk because no exceedences of C2A NJGWQS have occurred in either MW-19-7 or MW-19-12 since February 2007.

As discussed in prior quarterly groundwater monitoring reports, the lack of downward migration of COCs is evidenced by historical groundwater elevation data that shows consistent upward vertical hydraulic gradients in the MW19HS1 area and in all other former and existing deep/shallow well clusters across the Site. Site-wide upward

hydraulic gradients would be expected because of the regional hydrogeologic features; specifically the upward gradient is a function of the regional groundwater discharge to the Rockaway River system. The Washington Forge Pond (at an elevation of approximately 640 feet), and the Rockaway River act as constant head boundaries, and together comprise a regional aquifer discharge area. A historical lack of detectable constituents in MW-19-9D further verifies that LNAPL constituents are attenuated and hence are not migrating to residences along the north side of Ross Street.

3.2.2 MNA Parameters and Data Analysis

During the 4Q09 groundwater monitoring event, MNA parameters were collected from MW-19-12 only, due to the abandonment of the remaining MW19HS1 groundwater monitoring well network. Tables 3 and 4 summarize the MNA laboratory analytical and field data, respectively.

Natural attenuation (NA) of petroleum hydrocarbons via biodegradation (also known as intrinsic bioremediation) has been documented to be a universal phenomenon in that it occurs at 100% of sites with BTEX hydrocarbon contamination, and is found to be protective at more than 80% of those sites (Wiedemeier, 1997). As discussed in prior quarterly groundwater monitoring reports, intrinsic bioremediation in the MW19HS1 AOC is strong and actively working to break down BTEX components related to the residual soil contamination.

Although the residual soil contamination is limited in extent, and the area of dissolved-phase groundwater contamination is reducing over time, it could take many years before achieving acceptable cleanup levels. Therefore, as outlined in Sections 1 and 2 above, LEC and USEPA developed a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November 2008 RD Report Addendum No. 2 and September 2007 RASR, respectively, and focusing the remedial alternative on soil excavation only. This streamlined approach was presented in the September 3, 2009 Addendum to the USEPA approved RAWP. Responses to the MW19HS1 specific comments were submitted by RMT to USEPA on December 29, 2009 and approved by USEPA in their email dated December 30, 2009. Implementation of the MW19HS1 area investigation and remediation began on January 11, 2010.

Following the completion of the MW19HS1 soil remediation activities (removal of residual source material under the recently demolished Building 9), a new groundwater monitoring well network and monitoring program will be proposed in the Addendum to the Remedial Action Report. No further testing of MNA parameters will occur in this

area until the new well network has been installed. Because of the strong NA documented above and in previous reports, RMT anticipates that any remaining contaminants dissolved in groundwater will attenuate much more rapidly.

Section 4 MW-30 Source Reduction Area of Concern (AOC)

The 4Q09 monitoring event marks the seventh time that all of the wells specified in the PRMP have been sampled. The 4Q09 sampling event is the 15th event for the source area monitoring wells installed in June 2006. This long period of time since sampling and testing the 2006 wells began was a result of the more than two year period of time it took for the New Jersey Land Use Regulation Program (LURP) to approve the GP-14 and Stream Encroachment Permit applications. A photographic summary of the Site is included in Appendix D

The analytical results from all monitoring events are summarized in Tables 2 through 5. The shallow wells that lie within the central (MW-28 cluster) and downgradient (MW-30 cluster) portions of the source reduction area both have screens that were placed below the slurry monolith. At both locations, intermediate monitoring wells MW-28i and MW-30i were installed and screened approximately 5 feet below the bottom of the shallow well screen; 15 to 20 ft bgs and 10 to 15 ft bgs, respectively.

In 4Q09 low levels of dissolved groundwater contamination continue to be found in the source reduction area interior monitoring wells MW-28s and MW-28i (Table 2). Benzene and toluene have not been detected in the MW-28 well cluster since 4Q06. Ethylbenzene and xylenes have not been detected in intermediate well MW-28i since 4Q06. Samples collected from MW-28s contain levels of dissolved ethylbenzene and xylene; however, the concentrations appear to be generally decreasing over time and no BTEX constituents are present at levels that exceed current C2A NJGWQS. Dissolved DEHP concentrations continue to fluctuate at both MW-28s and MW-28i; however, the overall trend of DEHP concentration appears to be downward.

Site COCs also continue to be found dissolved in groundwater from source reduction area downgradient well MW-30s. However, only DEHP remains above C2A NJGWQS; all BTEX have been either not detected or below C2A NJGWQS for the last seven sampling events. The trend of DEHP in well MW-30s, while fluctuating somewhat from quarter to quarter, appears to be downward. For the last twelve events, no Site COCs have been detected in wells MW-30i and MW-30d, with the exception of five small detections of DEHP in MW-30i, just slightly above the detection limit. This indicates that the vertical extent of Site constituents of concern in the vicinity of the MW-30 cluster is limited to only the top five feet or less of the shallow water table (within the first five feet of aquifer immediately below the slurry monolith).

Although overall concentrations of all Site COCs in MW-30s continue to trend significantly downward (as of May 2008, only DEHP remained above drinking water criteria in MW-30s),

because of the fluctuating concentrations of DEHP in MW-30s, RMT prepared an RD Report Addendum No. 1 to further evaluate concentrations remaining in this area. This RD Report Addendum No. 1 was prepared to satisfy the requirements outlined in NJDEP's NOD letter received on June 25, 2008, as well as to address residual contamination just outside of the downgradient part of the main source reduction area (wetland area wells just installed in spring 2008; see discussion in following paragraphs). Comments on the RD Report Addendum No. 1 were received from the USEPA in late January. The scope of work outlined in the August 2008 RD Report Addendum No. 1 was presented in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004), submitted on September 3, 2009. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010.

As part of the 4Q09 sampling event, RMT also sampled the five (5) wetland area wells (MW-31s, MW-32s, MW-33s, MW-34s, and MW-35s) for groundwater quality. The location of these wells, with respect to the source reduction and wetland areas, are shown on Figures 2 & 3; all of these wells are located outside of and downgradient from the source reduction excavation area. Monitoring well MW-31s is located on the southern edge of the ditch where it bends around the Air Products property. Monitoring well MW-32s is south of MW-31s and is midway between the ditch and the Rockaway River. Monitoring well MW-33s is west-southwest of MW-32s and located near the entrance to the wetland area just off the northern bank of the Rockaway River. Monitoring well MW-34s is southeast of MW-32s. Monitoring well MW-35s is east of MW-34s, just upgradient from the river edge location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river.

During 4Q09, groundwater samples collected from all of the wetland area wells had concentrations of DEHP above the higher of the C2A NJGWQS and PQL. Groundwater samples collected from MW-31s, MW-32s, and MW-35s also contained concentrations of ethylbenzene and total xylenes above the higher of the C2A NJGWQS and PQL (Table 2). The concentration trends of dissolved benzene, ethylbenzene, and xylenes will continue to be carefully monitored. Furthermore, additional investigations to determine nature and extent is proposed for this area as described in the September 3, 2009 Addendum to the USEPA approved RAWP; the Addendum focuses on characterization and gathering data that will be used to develop a means to prevent further discharge of groundwater contamination into the ditch and Rockaway River.

As described above in Section 2.1.2, based on the site groundwater flow map (Figure 3), the receptor downgradient from the bulk of the source reduction area (represented by results from the MW-28 cluster) is the drainage ditch. Groundwater from other portions of the source

reduction area flows towards a small western portion the wetland area and the Rockaway River.

Surface water elevation data for the man-made drainage ditch is consistent with its current configuration as a U-shaped pond formed as a result of a downstream beaver dam (Figures 2 and 3).

Section 5 Surface Water Area of Concern (AOC)

The Rockaway River adjacent and downstream from the LEC site is classified as a Category 1 fresh water trout maintenance stream [Ref. Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006; (Dover) - Washington Pond outlet downstream to Rt. 46 bridge; FW2-TM (C1)]. As such, RMT compared Site COC concentrations detected in the drainage ditch and Rockaway River samples against the New Jersey Surface Water Quality Criteria for Toxic Substances (NJSWQC) outlined in Section 7:9B-1.14(f) 7 of the Surface Water Quality Standard Reference.

5.1 Eastern Drainage Channel

As part of the 4Q09 event, RMT sampled five (5) points within the eastern drainage channel that separates the adjacent Air Products property from the LEC site and the adjacent Wharton Enterprises property for surface water quality. This sampling was conducted at the request of NJDEP as outlined in their letter dated March 23, 2005.

During the 4Q09 sampling event, locations SW-D-1, SW-D-2, SW-D-3, SW-D-4, and SW-D-5 were sampled. Sample SW-D-1 is located at the upstream end (head) of the ditch. Sample SW-D-2 is located just downgradient of the bend around the Air Products property adjacent to the area where free product seeps were observed before completion of the source reduction. Sample SW-D-3 is located at the downgradient end of the ditch, just west of the connecting channel that feeds into the Rockaway River. Sample SW-D-4 is located just upgradient of the bend around the Air Products property on the LEC side of the ditch. SW-D-5, added during the 3Q06 event, is located within the channel that connects the ditch to the Rockaway River, just above [north] the beaver dam. All surface water sample locations are shown on Figure 2. The laboratory analytical results for these drainage ditch samples are summarized on Table 5.

DEHP was detected slightly above the NJSWQC at SW-D-2. BTEX was not detected in any ditch sample. Migration of Site COCs into the ditch environment will be addressed during the upcoming on-site investigations that are included in the September 2009 Addendum to the approved 2004 Remedial Action Workplan.

5.2 Rockaway River

In addition to the drainage channel, RMT also collected seven (7) surface water samples from the Rockaway River (Ref. Figure 2 and Table 5).

Sample SW-R-1 was collected near the river edge adjacent to the location where product sheen had been previously observed (before the source reduction) to be migrating directly into the river. As discussed in earlier reports, the sheen was discovered in 2004 as a visible coloration on top of quiescent water pooled within the wetland area. DEHP and BTEX were not detected in the surface water sample from SW-R-1.

River sample SW-R-2 was taken directly upstream of the SW-R-1 location. The surface water sample collected in the river at SW-R-2 did not contain detectible concentrations of BTEX or DEHP.

River sample SW-R-3 was taken upstream of SW-R-2, near the SG-R3 staff gauge. The surface water sample collected in the river at SW-R-3 did not contain any detectible concentrations of BTEX or DEHP.

Site COCs were not detected in Rockaway River surface water sample SW-R-4, collected upstream of SW-R-3.

Surface water sample SW-R-5 was collected from the Washington Forge Pond, near the SG-R5 staff gauge. Site COCs were not detected in the surface water sample SW-R-5.

River sample SW-R-6 was taken just downstream of the Washington Forge Pond dam. Due to regulatory comments in an email dated December 21, 2009, this location now serves as the background monitoring location for the Site. Surface water samples SW-R-1 through SW-R-4, are compared to the results of SW-R-6, per N.J.A.C. 7:9B-1.5 (d) 6iii.

Another surface water sample was collected in the ditch near its intersection with the Rockaway River (approximately 10 feet upstream in the drainage channel; see Figure 2). This location represents the surface water discharge point from the ditch/beaver pond into the Rockaway River. Similar to the other river samples collected, Site COCs were not detected in the "Ditch-River Confluence" sample DRC-2.

Surface water sampling at the eastern drainage ditch as well as the Rockaway River and Washington Forge Pond will continue to take place during each quarterly monitoring event. Specifics regarding surface water sampling locations, frequency and analytes are presented in the PRMP and associated QAPP.

Section 6 Additional and Future Project Activities

The following section briefly outlines additional activities completed in 4Q09 and activities anticipated for completion during 1Q10 and beyond. LEC completed the 4Q09 quarterly monitoring event during the week of November 10, 2009. An updated Master Project Schedule is presented in Appendix E.

6.1 MW-30 Source Area Remedial Investigation Workplan

On August 22, 2008, RMT submitted to NJDEP and USEPA an RD Report Addendum No. 1 (formerly called the MW-30 Source Area RIW) regarding dissolved phase contamination entering the ditch and river. The RD Report Addendum No. 1 was submitted in response to the requirements outlined in NJDEP's NOD received on June 25, 2008. The RD Report Addendum No. 1 scope also addressed the delineation of LNAPL in the wetland area. USEPA comments on the August 2008 RD Report Addendum No. 1 were received in January 2009. The scope of work outlined in the August 2008 RD Report Addendum No. 1 (including responses to comments) was presented in the September 3, 2009. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW-30 area specific comments were submitted to the USEPA on February 1, 2010. As shown on the Master Project Schedule (Appendix E), it is anticipated that investigative activities will begin on March 1, 2010, following USEPA approval of the comment responses.

6.2 MW19/Hot Spot 1 Soil Gas Investigation and RASR

On May 9, 2006, RMT, on behalf of LEC, submitted a soil gas investigation report documenting field implementation and the results of a soil gas investigation conducted in the MW19/Hot Spot 1 area to comply with the October 2005 NJDEP Vapor Intrusion Guidance and revised NJDEP Field Sampling Procedures Manual (August 2005). The soil gas study results showed that migration of on-site soil and groundwater contamination via the vapor intrusion pathway was not taking place and no soil gas issues were found relative to the residences along the north side of Ross Street.

During a January 23, 2007 phone conversation, NJDEP indicated that formal regulatory response following review of this report would be forwarded to both LEC and RMT by the end of February 2007. LEC received a NOD comment letter from the NJDEP dated June 20, 2007. RMT, on behalf of LEC, prepared a request for a 45-day extension dated July 17, 2007 for the submittal of the RASR outlined in the NJDEP NOD. NJDEP approved the 45-day extension.

Subsequently, LEC performed a source area investigation and submitted the RASR to NJDEP and USEPA on September 4, 2007. NJDEP issued comments on the RASR in their NOD letter dated October 16, 2008. RMT, on behalf of LEC, prepared an RD Report Addendum No. 2 (formerly called the RIW) to address the NOD and submitted it to the USEPA on November 14, 2008.

Subsequent discussions with USEPA regarding the MW19HS1 area resulted in the submittal of an LOI (RMT, January 5, 2009). The LOI outlined a more streamlined approach to remediating the MW19HS1 area by combining the investigative and remedial measures proposed in the November 2008 RD Report Addendum No. 2 and September 2007 RASR respectively. Specifically, the LOI proposed concurrent implementation of investigation and remediation, and focused the remedial alternative on soil excavation only. The streamlined approach outlined above was presented in the September 3, 2009 Addendum to the USEPA approved RAWP. USEPA provided comments on the Addendum to the RAWP in an email dated December 21, 2009. Responses to the MW19HS1 specific comments were submitted by RMT to USEPA on December 29, 2009 and approved by USEPA in their email dated December 30, 2009. Implementation of the MW19HS1 area investigation and remediation began on January 11, 2009.

6.3 Wetland Monitoring, Invasive Species Control, and Reporting

The 2009 Compensatory Mitigation Monitoring Report was submitted on December 28, 2009. 2009 is considered the fifth and final growing season where monitoring and reporting is required by the 2005 GP-4 wetlands permit. However, as outlined in the report, annual monitoring and invasive species control events will continue on a semi-annual basis as required by permit conditions until agency sign-off is obtained. Additional wetland restoration, monitoring and reporting issues are addressed in the Addendum to the USEPA approved Remedial Action Work Plan (RMT, April 2004), submitted September 3, 2009.

Tables

TABLE 1 L.E. Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Elevations

Column					PROFESSIONAL SURVEY INFORMATION (2)				QUARTERIA ME ACUREMENT INTORNATION							
CE12	WELLLOCATION	MONITORING DEVICE TYPE	BASELINE LO				·	EVATION (FT. M	ISL)			QUARTERLY	MEASUREMEN	1 INFORMATIO	N	
Column C	WELL LOCATION	MONITORING DEVICE TYPE	NJ State Plan	e Coordinates	GEODETIC I	LOCATION			ININIED ISSUES	MEAS.	PRODUCT	WATER	PRODUCT	WATER	PRODUCT	CORRECTED
Citizal Deserver 1968 1968 1979 1974			(Y) North	(X) East	LATITUDE	LONGITUDE	GROUND (6)	OUTER CASING	CASING	DATE	DEPTH	DEPTH	ELEVATION	ELEVATION		ELEVATION
Column	GEI-2I	Piezometer	754573.99	470499.76	400 54' 17.4"	74° 34' 43.1"	635.32	637.75	637.60							
Month Security Color	GEI-2S	Piezometer	754566	470506.18		74 ⁰ 34' 43.0"	634.86	637.27	637.07			Aban	doned Octobe	er 13, 2009		
MW-1286 Nonemptical 790079 1971016 878 127 2478 27 1970		Piezometer														<u> </u>
March Marc																<u> </u>
MV-158 Shemery Add 750007 247001 275001 275001 27500 2		-														<u> </u>
MN-1819 Management 788767 6796 520 579 587 579 587 579 587	, ,															
MW-181 Sommery of 78297.5 \$47800.2 \$678.7 \$759.0 \$67.0 \$																
MW-428 Montemportal 752-98 CORDILLY AFF 1510 Feb War MAJ	, ,	_														
MW-1973 Montane, and 78478.8 Growth 278475.0 2784 278 2017 2784 2017 2018 2018 2019 2018 2019 2018 2019 2018 2019 2018 2019 2018 2019 2018 2019 20																
MW-175 Minimary offi	1 - 1															
MW-198 Montange Will Mon																
MW-191	` '															
MW-19																
MW-19-12 Montment from 755514 0700727 47 5 1 1 1										10-1NOV-09						<u> </u>
MW-19-2																
MW-19-14 Manusang-wild 754984 479942 479442 479442 58.00 68.70 68.70																
Membrane Mandamen																
MW-19-5														.,		
MW-19-6																
MW-19-7														.,		
MW-19-8																
MW-19-9D Montering Will 75405.75 47050.91 - 65.21 -					_					10-Nov-09			1			
MW-19-10 Manuforeq Votil 75407-75 479598.11 - -																
MW-19-11 Membring Will 75467.45 47654.07 47657.27 47654.07 47657.27 4765						71 01 12.1									-	1
MW-19-12 Monitoring Woll 75407.53 470529.72 48 ² 5 18.31 76 ² 37 41.27 63.49 63.49 63.49 63.40 10.Nov-09 3.38 - 63.667					40° 54' 18.2"	74° 34' 41.0"										
MW-25 Monitoring Noti							634.93		634.46	10-Nov-09						
MW-25(R) Monitoring Wild 754201.83 471518.21 40 ⁶ 54 13.77 74 ⁶ 34 ⁶ 29.87 624.65 626.77 626.62 10-Nov-69 2.44 - 624.18 Membrang Wild 75420.57 47004.52 47104.51 471518.21 47104.52			754240.97	471645.78			624.57	628.49	628.20	10-Nov-09		3.58		624.62		
MW-28S Monitoring Well 75423.26	MW-25(R) (3)	Monitoring Well	754201.83	471518.21	40° 54' 13.7"	74 ⁰ 34' 29.8"	624.65	626.77	626.62	10-Nov-09		2.44		624.18		
MW-281 Memitering Well 75441.87 471031.19 40° 54 14.508° 72° 34′ 34.738° 620.5 631.20 631.04 10-Nov-09 6.12 624.92	` '	Monitoring Well	754253.78	470672.69	40° 54' 14.613"	74 ⁰ 34' 39.402'	635.82	635.78	635.07	9-Nov-09		7.39		627.68		
MW-29S Moontoring Well 75431.14 47187.85 40° 54 16.172* 76° 34 32.684* 629.94 632.83 632.66 10-Nov-49 7.73 624.93 MW-30D Monitoring Well 75428.65 47125.12 40° 54 14.93* 72° 34 31.72* 623.14 628.24 10-Nov-49 3.64 624.60 MW-30D Monitoring Well 75426.62 47126.12 40° 54 14.94* 72° 34 31.72* 625.14 628.01 10-Nov-49 3.31 624.70 MW-31S Monitoring Well 75420.05 47134.15 40° 54 14.69* 72° 34 30.69* 627.94 630.00 629.82 9-Nov-09 3.34 624.68 MW-31S Monitoring Well 75421.65 47134.15 40° 54 14.49* 72° 34 30.69* 627.94 630.00 629.82 9-Nov-09 5.71 624.63 MW-32S Monitoring Well 75470.08 47139.34 47131.04 40° 54 13.89* 40° 54 13.89* 628.85 631.06 630.91 9-Nov-09	MW-28S	Monitoring Well	754243.26	471034.34	40° 54' 14.512"	74 ⁰ 34' 34.692'	628.20	631.28	631.14	10-Nov-09		6.21		624.93		
MW-305 Monitoring Well 754281.65 471265.12 40° 54′ 14.888° 74° 34′ 31.866 624.99 628.24 628.24 10-Nov-09 3.64 624.60	MW-28I	Monitoring Well	754242.87	471031.19	40° 54' 14.508"	74 ⁰ 34' 34.733'	628.25	631.20	631.04	10-Nov-09		6.12		624.92		
MW-301 Monitoring Well 754296.42 471263.15 40° 54 14.941° 74° 34° 31.712° 625.14 628.15 628.01 10-Nov-09 3.3.1 - 624.70 MW-301 Monitoring Well 754290.05 47126.12 40° 54 14.945° 72° 34° 31.737° 625.20 628.22 628.02 10-Nov-09 3.3.4 - 624.68 MW-31S Monitoring Well 754207.08 471351.5 40° 54 14.945° 72° 34° 31.057° 72° 34° 31.057° 72° 34° 30.051° 627.94 630.00 629.82 9-Nov-09 5.29 - 624.53 MW-32S Monitoring Well 754207.08 471351.04 40° 54′ 14.157° 72° 34′ 30.657° 628.85 631.06 630.18 9-Nov-09 5.71 - 624.47 MW-33S Monitoring Well 754170.51 47731.104 40° 54′ 13.859° 72° 34′ 30.657° 628.85 631.06 630.19 9-Nov-09 6.15 - 624.76 MW-34S Monitoring Well 754170.51 47731.104 40° 54′ 13.859° 72° 34′ 30.657° 628.07 629.97 629.93 9-Nov-09 6.15 - 624.76 MW-35S Monitoring Point 754179.62 471445.17 40° 54′ 13.859° 72° 34′ 32.340 627.43 629.59 629.19 9-Nov-09 4.73 - 624.46 MW-35S Monitoring Point 754179.62 47145.17 40° 54′ 13.859° 72° 34′ 33.8584 629.41 - 10-Nov-09 2.89 - 625.52 MW-35S Monitoring Point 754172.56 47′ 152.00 40° 54′ 13.359° 72° 34′ 33.3584 629.41 - 10-Nov-09 2.89 - 625.52 MW-35S MW-35S Monitoring Point 75412.56 47′ 152.00 40° 54′ 13.359° 72° 34′ 33.3584 629.41 - 10-Nov-09 2.59 - 623.28 MW-35S M	MW-29S	Monitoring Well	754411.14	471187.85	400 54' 16.172"	74° 34' 32.694'	629.94	632.83	632.66	10-Nov-09		7.73		624.93		
MW-30D Monitoring Well 75420.05 471261.2 40° 54° 14.96° 74° 34° 31.73° 625.20 628.22 628.02 10-Nov-09 3.34 624.68 Membrane MW-31S Monitoring Well 75421.65 471341.5 40° 54° 14.49° 74° 34° 30.691 627.94 630.00 629.82 9.Nov-09 5.29 624.53 MW-32S Monitoring Well 754270.81 471311.04 40° 54° 14.79° 74° 34° 30.452 628.15 630.33 630.18 9.Nov-09 5.71 624.47 MW-33S Monitoring Well 754170.51 47311.04 40° 54° 13.879° 74° 34° 30.85° 628.85 631.06 630.91 9.Nov-09 5.25 624.68 MW-35S Monitoring Well 754179.62 47144517 40° 54° 13.879° 74° 34° 29.340 629.79 629.93 9.Nov-09 5.25 624.68 SW-R.1 ⁽⁰⁾ Reckaway River Monitoring Point 754076.61 47094646 40° 54° 13.879° 74° 34° 29.340 629.79 629.93	MW-30S	Monitoring Well	754281.65	471265.12	400 54' 14.893"	74 ⁰ 34' 31.686'	624.99	628.24	628.24	10-Nov-09		3.64		624.60		
MW-31S Monitoring Well 754241.65 471341.5 40 ⁰ 54 14.497 74 ⁰ 34 30.691 627.94 630.00 629.82 9-Nov-09 5.29 — 624.53 MW-32S Monitoring Well 754207.08 471359.83 40 ⁰ 54 14.157 74 ⁰ 34 30.452 628.15 630.33 630.18 9-Nov-09 5.71 — 624.47 MW-33S Monitoring Well 754170.51 471311.04 40 ⁰ 54 13.879 74 ⁰ 34 31.087 628.85 631.06 630.91 9-Nov-09 6.15 — 624.76 MW-34S Monitoring Well 754178.83 471399.49 40 ⁰ 54 13.879 74 ⁰ 34 29.935 628.07 629.97 629.93 9-Nov-09 5.25 — 624.68 MW-35S Monitoring Well 754176.62 471445.17 40 ⁰ 54 13.887 72 ⁰ 34 29.382 629.91 9-Nov-09 4.73 — 624.46 SW-R.1 (0) Rockaway River Monitoring Point 754125.56 471523.00 40 ⁰ 54 13.287 74 ⁰ 34 28.326 625.87 — 10-Nov-09 2.59	MW-30I	Monitoring Well	754286.42	471263.15	40° 54' 14.941"	74 ⁰ 34' 31.712'	625.14	628.15	628.01	10-Nov-09		3.31		624.70		
MW-32S Monitoring Well 754207.08 471359.83 40° St '14.157' 74° 34' 30.452' 628.15 630.33 630.18 9-Nov-09 5.71 624.47 MW-33S Monitoring Well 754170.51 47131.04 40° 54' 13.79° 74° 34' 30.452' 628.85 631.06 630.91 9-Nov-09 6.15 624.76 MW-34S Monitoring Well 754178.83 471399.49 40° 54' 13.87° 74° 34' 29.935 628.07 629.97 629.33 9-Nov-09 5.25 624.68 MW-35S Monitoring Well 754179.62 47145.17 40° 54' 13.887° 74° 34' 29.935 628.07 629.97 629.93 9-Nov-09 4.73 624.46 SG-R2 ⁽⁹⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54' 12.662° 74° 34' 33.834 629.41 10-Nov-09 2.89 626.52 SW-R.1 ⁽⁰⁾ Rockaway River Monitoring Point 75412.55 47152.50 47152.50 40° 54' 13.555° 74° 34' 29.582° 626.54 10-Nov-09 2.59 623.28 SW-R.3 ⁽⁰⁾ Rockaway River Monitoring Point 754149.30 471368.76 40° 54' 12.682° 74° 34' 30.335 626.25 10-Nov-09 2.50 623.93 SW-R.4 ⁽⁰⁾ Rockaway River Monitoring Point 75410.04 4710946.85 40° 54' 12.682° 74° 34' 31.496° 627.57 10-Nov-09 2.50 625.07 SW-R.5 ⁽⁰⁾ Rockaway River Monitoring Point 75410.04 470946.85 40° 54' 12.682° 74° 34' 31.496° 627.57 10-Nov-09 2.50 625.07 SW-R.6 ⁽⁰⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54' 12.682° 74° 34' 32.013 626.25 10-Nov-09 2.50 625.07 SW-R.6 ⁽⁰⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54' 12.682° 74° 34' 32.013 625.75 10-Nov-09 1.83 623.77 SW-D.1 ⁽⁰⁾ Drainage Channel Staff Gauge 75428.56 471361.22 40° 54' 14.931° 74° 34' 32.013 625.75 10-Nov-09 1.98 623.77 SW-D.2 ⁽⁰⁾ Drainage Channel Staff Gauge 754381.23 471548.18 40° 54' 15.806° 74° 34' 28.001° 625.70 10-Nov-09 1.18 623.52 SW-D.4 Drainage Channel Monitoring Point 75427.19 47129.08 40° 54' 15.040° 74° 34' 32.155 626.86 10-Nov-09 1.141 623.52 SW-D.5 Drainage Channel Monitoring Point 75427.14 47192.00 40° 54' 15.040° 74° 34' 32.155 626.86 10-Nov-09 1.141 623.52	MW-30D	Monitoring Well	754290.05	471261.2	40° 54' 14.976"	74 ⁰ 34' 31.737'	625.20	628.22	628.02	10-Nov-09		3.34		624.68		
MW-33S Monitoring Well 754170.51 471311.04 40° 54° 13.796° 74° 34° 31.087° 628.85 631.06 630.91 9-Nov-09 6.15 624.76 MW-34S Monitoring Well 754178.83 471399.49 40° 54° 13.879° 74° 34° 29.935 628.07 629.97 629.99 9-Nov-09 5.25 624.68 MW-35S Monitoring Well 754179.62 471445.17 40° 54° 13.887° 74° 34° 29.340° 627.43 629.59 629.19 9-Nov-09 4.73 624.46 SG-R2 ⁽⁶⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54° 12.662° 74° 34° 28.326 625.87 10-Nov-09 2.89 625.52 SW-R-1 ⁽⁶⁾ Rockaway River Monitoring Point 75412.82 471426.51 40° 54° 13.886° 74° 34′ 29.582 625.54 10-Nov-09 2.61 623.93 SW-R-3 ⁽⁶⁾ Rockaway River Monitoring Point 754149.30 47158.76 40° 54′ 13.886° 74° 34′ 30.335 626.25 10-Nov-09 1.83 624.42 SW-R-4 ⁽⁶⁾ Rockaway River Monitoring Point 75408.00 471279.58 40° 54′ 12.980° 74° 34′ 31.496 627.57 10-Nov-09 2.50 625.07 SW-R-5 ⁽⁶⁾ Rockaway River Monitoring Point 754314.04 470408.85 40° 54′ 12.980° 74° 34′ 39.073 631.68 10-Nov-09 1.83 623.77 SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 754283.6 471240.17 40° 54′ 12.812 74° 34′ 30.035 62.07 10-Nov-09 1.98 623.77 SW-D-2 ⁽⁶⁾ Drainage Channel Monitoring Point 754314.0 47129.20 40° 54′ 14.931° 74° 34′ 30.035 62.07 10-Nov-09 1.98 623.77 SW-D-3 ⁽⁶⁾ Drainage Channel Monitoring Point 75423.14 471920.10 40° 54′ 15.880° 74° 34′ 33.1355 624.93 10-Nov-09 1.141 623.52 SW-D-3 ⁽⁶⁾ Drainage Channel Monitoring Point 75423.14 471920.10 40° 54′ 15.880° 74° 34′ 31.355 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.14 471920.10 40° 54′ 15.421′ 74° 34′ 31.355 626.86 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75422.14 471920.10 40° 54′ 14.21′ 74° 34′ 31.355 626.86 10-Nov-09 1.141 623.52	MW-31S	Monitoring Well	754241.65	471341.5	40° 54' 14.499"	74 ⁰ 34' 30.691'	627.94	630.00	629.82	9-Nov-09		5.29		624.53		
MW-34S Monitoring Well 754178.83 471399.49 40° 54 13.879° 74° 34′ 29.935 628.07 629.97 629.93 9-Nov-09 5.25 624.68 MW-35S Monitoring Well 754179.62 471445.17 40° 54′ 13.887° 74° 34′ 29.340° 627.43 629.59 629.19 9-Nov-09 4.73 624.46 SG-R2 ⁽ⁿ⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54′ 12.662° 74° 34′ 35.834′ 629.41 10-Nov-09 2.89 626.52 SW-R.1 ⁽ⁿ⁾ Rockaway River Monitoring Point 754125.56 471523.00 40° 54′ 13.535′ 74° 34′ 29.582′ 625.67 10-Nov-09 2.59 623.28 SW-R.2 ⁽ⁿ⁾ Rockaway River Monitoring Point 754112.82 471426.51 40° 54′ 13.586′ 74° 34′ 29.582′ 626.54 10-Nov-09 2.61 623.93 SW-R.3 ⁽ⁿ⁾ Rockaway River Monitoring Point 754149.30 471568.76 40° 54′ 12.586′ 74° 34′ 30.355′ 626.25 10-Nov-09 1.83 624.42 SW-R.4 ⁽ⁿ⁾ Rockaway River Monitoring Point 75408.00 471279.58 40° 54′ 12.586′ 74° 34′ 34′ 34′ 38.95 640.66 10-Nov-09 2.50 625.07 SW-R.5 ⁽ⁿ⁾ Rockaway River Monitoring Point 75414.04 470408.85 40° 54′ 15.206′ 74° 34′ 39.073′ 631.68 10-Nov-09 1.83 638.83 SW-R.6 ⁽ⁿ⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812′ 74° 34′ 39.073′ 631.68 10-Nov-09 1.83 633.77 SW-D.1 ⁽ⁿ⁾ Drainage Channel Staff Gauge 75428.35 471361.22 40° 54′ 14.911′ 74° 34′ 30.035′ 626.07 10-Nov-09 1.98 623.77 SW-D.3 ⁽ⁿ⁾ Drainage Channel Staff Gauge 754381.23 471548.18 40° 54′ 15.880′ 74° 34′ 33.035′ 626.97 10-Nov-09 1.78 623.92 SW-D.4 Drainage Channel Monitoring Point 754297.19 47129.08 40° 54′ 15.880′ 74° 34′ 33.1355′ 624.93 10-Nov-09 1.141 623.52 SW-D.5 Drainage Channel Monitoring Point 754223.14 47192.00 40° 54′ 14.321′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D.5 Drainage Channel Monitoring Point 754223.14 47192.01 40° 54′ 14.321′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.73	MW-32S	Monitoring Well	754207.08	471359.83	40° 54' 14.157"	74 ⁰ 34' 30.452'	628.15	630.33	630.18	9-Nov-09		5.71	-	624.47		
MW-35S Monitoring Well 754179.62 471445.17 40° 54′ 13.887° 74° 34′ 29.340° 627.43 629.59 629.19 9-Nov-09 4.73 623.46 SG-R2 ⁽⁶⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54′ 12.662° 74° 34′ 35.834′ 629.41 10-Nov-09 2.89 626.52 SW-R-1 ⁽⁶⁾ Rockaway River Monitoring Point 75412.56 471523.00 40° 54′ 13.353′ 74° 34′ 28.326′ 625.87 10-Nov-09 2.59 623.28 SW-R-2 ⁽⁶⁾ Rockaway River Monitoring Point 754112.82 471426.51 40° 54′ 13.256′ 74° 34′ 29.822′ 625.54 10-Nov-09 2.61 623.93 SW-R-3 ⁽⁶⁾ Rockaway River Monitoring Point 754149.30 471368.76 40° 54′ 13.586′ 74° 34′ 29.582′ 626.55 10-Nov-09 1.83 624.42 SW-R-4 ⁽⁶⁾ Rockaway River Monitoring Point 75408.00 471279.58 40° 54′ 12.980′ 74° 34′ 28.39° 640.66 10-Nov-09 1.83 625.07 SW-R-6 ⁽⁶⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.073° 631.68 10-Nov-09 1.83 638.83 SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 75428.55 471361.22 40° 54′ 13.890′ 74° 34′ 30.345′ 626.07 10-Nov-09 1.98 623.77 SW-D-2 ⁽⁶⁾ Drainage Channel Staff Gauge 75428.53 471361.22 40° 54′ 15.800′ 74° 34′ 30.355′ 626.07 10-Nov-09 1.98 623.77 SW-D-3 ⁽⁶⁾ Drainage Channel Monitoring Point 754297.19 471292.08 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.14 47120.10 40° 54′ 15.800′ 74° 34′ 23.155′ 626.86 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.14 47120.10 40° 54′ 15.800′ 74° 34′ 23.155′ 626.86 10-Nov-09 1.141 623.52	MW-33S	Monitoring Well	754170.51	471311.04	40° 54' 13.796"	74 ⁰ 34' 31.087'	628.85	631.06	630.91	9-Nov-09		6.15		624.76		
MW-35S Monitoring Well 754179.62 471445.17 40° 54′ 13.887° 74° 34′ 29.340° 627.43 629.59 629.19 9-Nov-09 4.73 623.46 SG-R2 ⁽⁶⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54′ 12.662° 74° 34′ 35.834′ 629.41 10-Nov-09 2.89 626.52 SW-R-1 ⁽⁶⁾ Rockaway River Monitoring Point 75412.56 471523.00 40° 54′ 13.353′ 74° 34′ 28.326′ 625.87 10-Nov-09 2.59 623.28 SW-R-2 ⁽⁶⁾ Rockaway River Monitoring Point 754112.82 471426.51 40° 54′ 13.256′ 74° 34′ 29.822′ 625.54 10-Nov-09 2.61 623.93 SW-R-3 ⁽⁶⁾ Rockaway River Monitoring Point 754149.30 471368.76 40° 54′ 13.586′ 74° 34′ 29.582′ 626.55 10-Nov-09 1.83 624.42 SW-R-4 ⁽⁶⁾ Rockaway River Monitoring Point 75408.00 471279.58 40° 54′ 12.980′ 74° 34′ 28.39° 640.66 10-Nov-09 1.83 625.07 SW-R-6 ⁽⁶⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.073° 631.68 10-Nov-09 1.83 638.83 SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 75428.55 471361.22 40° 54′ 13.890′ 74° 34′ 30.345′ 626.07 10-Nov-09 1.98 623.77 SW-D-2 ⁽⁶⁾ Drainage Channel Staff Gauge 75428.53 471361.22 40° 54′ 15.800′ 74° 34′ 30.355′ 626.07 10-Nov-09 1.98 623.77 SW-D-3 ⁽⁶⁾ Drainage Channel Monitoring Point 754297.19 471292.08 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.44 47120.10 40° 54′ 15.800′ 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.14 47120.10 40° 54′ 15.800′ 74° 34′ 23.155′ 626.86 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75423.14 47120.10 40° 54′ 15.800′ 74° 34′ 23.155′ 626.86 10-Nov-09 1.141 623.52	MW-34S	Monitoring Well	754178.83	471399.49	40° 54' 13.879"	74 ⁰ 34' 29.935'	628.07	629.97	629.93	9-Nov-09		5.25	-	624.68		
SG-R2 ⁽⁶⁾ Rockaway River Monitoring Point 754056.10 470946.46 40° 54′ 12.662° 74° 34′ 35.834′ 629.41 10-Nov-09 2.89 625.28 SW-R-1 ⁽⁶⁾ Rockaway River Monitoring Point 75412.55 471523.00 40° 54′ 13.353° 74° 34′ 28.325′ 625.87 10-Nov-09 2.59 623.28 SW-R-2 ⁽⁶⁾ Rockaway River Monitoring Point 754112.82 471426.51 40° 54′ 13.226° 74° 34′ 29.582° 625.44 10-Nov-09 2.61 623.93 SW-R-3 ⁽⁶⁾ Rockaway River Monitoring Point 754149.30 471368.76 40° 54′ 13.286° 74° 34′ 29.582° 625.54 10-Nov-09 1.83 624.42 SW-R-4 ⁽⁶⁾ Rockaway River Monitoring Point 754088.00 471279.58 40° 54′ 12.980° 74° 34′ 29.582° 62.55 10-Nov-09 2.50 625.07 SW-R-5 ⁽⁶⁾ Rockaway River Monitoring Point 754140.44 470408.85 40° 54′ 12.980° 74° 34′ 28.39° 640.66 10-Nov-09 1.83 638.83 SW-R-6 ⁽⁶⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.073° 631.68 10-Nov-09 NM 633.77 SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 75428.36 471240.17 40° 54′ 16.343° 74° 34′ 30.013° 625.75 10-Nov-09 1.98 623.77 SW-D-2 ⁽⁶⁾ Drainage Channel Monitoring Point 75429.19 47129.08 40° 54′ 15.880° 74° 34′ 31.355′ 624.93 10-Nov-09 1.78 623.92 SW-D-4 Drainage Channel Monitoring Point 75429.14 471920.8 40° 54′ 15.481° 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75429.14 471920.8 40° 54′ 15.042° 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75429.14 471920.8 40° 54′ 15.042° 74° 34′ 31.355′ 624.93 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75429.14 471920.1 40° 54′ 15.042° 74° 34′ 31.355′ 626.86 10-Nov-09 1.141 623.52 SW-D-5 Drainage Channel Monitoring Point 75429.14 471920.1 40° 54′ 15.042° 74° 34′ 31.355′ 626.86 10-Nov-09 1.141 623.52		Monitoring Well	754179.62	471445.17			627.43	629.59	629.19	9-Nov-09		4.73		624.46		
SW-R-1 (4) Rockaway River Monitoring Point 754125.56 471523.00 40° 54′ 13.353° 74° 34′ 28.326′ 625.87 - 10-Nov-09 2.59 - 623.28 SW-R-2 (4) Rockaway River Monitoring Point 754112.82 471426.51 40° 54′ 13.266° 74° 34′ 29.582° 626.54 - 10-Nov-09 2.61 - 623.93 SW-R-3 (4) Rockaway River Monitoring Point 754149.30 471368.76 40° 54′ 12.980° 74° 34′ 30.335′ 626.25 - 10-Nov-09 1.83 - 624.42 SW-R-4 (4) Rockaway River Monitoring Point 754088.00 471279.58 40° 54′ 12.980° 74° 34′ 31.496′ 627.57 - 10-Nov-09 1.83 - 624.42 SW-R-5 (4) Rockaway River Monitoring Point 754314.04 470408.85 40° 54′ 12.812° 74° 34′ 34′ 39.73° 631.68 - 10-Nov-09 1.83 - 638.83 SW-R-6 (4) Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.73° 631.68 - 10-Nov-09 <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>1</th><th></th></th<>															1	
SW-R-2 (4) Rockaway River Monitoring Point 754112.82 47142.651 40° 54' 13.26a* 74° 34' 29.582* 62.654 - 10-Nov-09 2.61 - 623.93 SW-R-3 (4) Rockaway River Monitoring Point 754149.30 471368.76 40° 54' 12.980* 74° 34' 30.335* 626.25 - 10-Nov-09 1.83 - 624.42 SW-R-5 (4) Rockaway River Monitoring Point 754314.04 470408.85 40° 54' 12.980* 74° 34' 31.496* 627.57 - 10-Nov-09 1.83 - 625.07 SW-R-5 (4) Rockaway River Monitoring Point 754314.04 470408.85 40° 54' 12.812* 74° 34' 30.335* 640.66 - 10-Nov-09 1.83 - 638.83 SW-R-6 (4) Rockaway River Monitoring Point 754071.52 470697.75 40° 54' 12.812* 74° 34' 39.973* 631.68 - 10-Nov-09 NM SW-D-1 (5) Drainage Channel Staff Gauge 75428.36 471240.17 40° 54' 14.931* 74° 34' 30.435* 626.07 - 10-Nov-09 1.98 - 623.77 SW-D-2 (6) Drainage Channel Staff Gauge 754381.23 4715481.8 40° 54' 15.880* 74° 34' 30.435* 626.07 - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 47129.08 40° 54' 15.047* 74° 34' 31.355* 624.93 - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 47192.01 40° 54' 14.321* 74° 34' 31.355* 624.93 - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 47192.01 40° 54' 14.321* 74° 34' 31.355* 624.93 - 10-Nov-09 1.41 - 623.52								-	_							
SW-R-3 ⁽⁴⁾ Rockaway River Monitoring Point 754149.30 471368.76 40° 54′ 13.586° 74° 34′ 30.335′ 626.25 - 10-Nov-09 1.83 - 624.42 SW-R-4 ⁽⁴⁾ SW-R-4 ⁽⁴⁾ Rockaway River Monitoring Point 754088.00 471279.58 40° 54′ 12.980° 74° 34′ 34.989′ 640.66 - - 10-Nov-09 2.50 - 625.07 SW-R-5 ⁽⁴⁾ Rockaway River Monitoring Point 754314.04 470408.85 40° 54′ 12.812° 74° 34′ 34.939′ 640.66 - 10-Nov-09 1.83 - 638.83 SW-R-6 ⁽⁴⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.073′ 631.68 - 10-Nov-09 1.83 - 638.83 SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.073′ 631.68 - 10-Nov-09 NM - - SW-D-2 ⁽⁶⁾ Drainage Channel Staff Gauge 754283.53 471361.22 40° 54′ 14.931° 74° 34′ 30.435′ 626.07 - 10-Nov-09 1.78 - 623.85 SW-D-3 ⁽⁶⁾ Drainage Channel Staff Gauge <																
SW-R.4 ⁽⁴⁾ Rockaway River Monitoring Point 754088.00 471279.58 40° 54′ 12.980° 74° 34′ 34.989° 627.57 - 10-Nov-09 2.50 - 625.07 SW-R.5 ⁽⁴⁾ Rockaway River Monitoring Point 754314.04 470408.85 40° 54′ 12.812° 74° 34′ 42.839° 640.66 - 10-Nov-09 1.83 - 638.83 SW-R.6 ⁽⁴⁾ Rockaway River Monitoring Point 754071.52 470697.75 40° 54′ 12.812° 74° 34′ 39.9073° 631.68 - 10-Nov-09 NM - - SW-D.1 ⁽⁶⁾ Drainage Channel Staff Gauge 754282.36 471240.17 40° 54′ 16.343° 74° 34′ 30.013° 625.75 - 10-Nov-09 NM - - SW-D.2 ⁽⁶⁾ Drainage Channel Staff Gauge 754285.35 471361.22 40° 54′ 14.931° 74° 34′ 30.435° 626.07 - 10-Nov-09 1.28 - 623.85 SW-D.3 ⁽⁶⁾ Drainage Channel Staff Gauge 754381.23 4715481.8 40° 54′ 15.880° 74° 34′ 28.001° 625.70 - 10-Nov-09 1.78					-										1	<u> </u>
SW-R-5 (4) Rockaway River Monitoring Point 754314.04 470408.85 40° 54' 15.206" 74° 34' 42.839" 640.66 - - 10-Nov-09 1.83 - 638.83 SW-R-6 (4) Rockaway River Monitoring Point 754071.52 470697.75 40° 54' 12.812" 74° 34' 39.073" 631.68 - - 10-Nov-09 NM - - SW-D-1 (5) Drainage Channel Staff Gauge 754428.36 471240.17 40° 54' 16.343" 74° 34' 32.013" 625.75 - - 10-Nov-09 1.98 - 623.77 SW-D-2 (6) Drainage Channel Staff Gauge 754381.23 471361.22 40° 54' 15.880" 74° 34' 30.435" 626.07 - - 10-Nov-09 1.98 - 623.85 SW-D-3 (6) Drainage Channel Staff Gauge 754381.23 471548.18 40° 54' 15.880" 74° 34' 28.001" 625.70 - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54' 15.047" 74° 34' 31.355" 624.93 -		, ,			_	_									-	
SW-R-6 (4) Rockaway River Monitoring Point 754071.52 470697.75 40° 54' 12.812" 74° 34' 39.073" 631.68 - - 10-Nov-09 NM - - SW-D-1 (9) Drainage Channel Staff Gauge 754428.36 471240.17 40° 54' 16.343" 74° 34' 30.013" 625.75 - 10-Nov-09 1.98 - 623.77 SW-D-2 (9) Drainage Channel Staff Gauge 754285.35 471361.22 40° 54' 14.931" 74° 34' 30.435" 626.07 - 10-Nov-09 2.22 - 623.85 SW-D-3 (9) Drainage Channel Staff Gauge 754381.23 471548.18 40° 54' 15.880" 74° 34' 28.001" 625.70 - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54' 15.047" 74° 34' 31.355" 624.93 - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54' 14.321" 74° 34' 23.155" 626.86 - 10-Nov-09 3.																<u> </u>
SW-D-1 ⁽⁶⁾ Drainage Channel Staff Gauge 754428.36 471240.17 40° 54' 16.343" 74° 34' 32.013" 625.75 - 10-Nov-09 1.98 - 623.77 SW-D-2 ⁽⁶⁾ Drainage Channel Staff Gauge 754285.35 471361.22 40° 54' 14.931" 74° 34' 30.435" 626.07 - 10-Nov-09 1.98 - 623.77 SW-D-3 ⁽⁶⁾ Drainage Channel Staff Gauge 754381.23 471548.18 40° 54' 15.880" 74° 34' 28.001" 625.70 - - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54' 15.047" 74° 34' 31.355" 624.93 - - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54' 14.321" 74° 34' 31.355" 626.86 - - 10-Nov-09 3.13 - 623.73								-	-					638.83		<u> </u>
SW-D-2 ⁽⁶⁾ Drainage Channel Staff Gauge 754285.35 471361.22 40° 54′ 14.931° 74° 34′ 30.435° 626.07 - 10-Nov-09 2.22 - 623.85 SW-D-3 ⁽⁶⁾ Drainage Channel Staff Gauge 754381.23 471548.18 40° 54′ 15.880° 74° 34′ 28.001° 625.70 - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54′ 15.047° 74° 34′ 31.355° 624.93 - - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54′ 14.321° 74° 34′ 23.155′ 626.86 - - 10-Nov-09 3.13 - 623.73	SW-R-6 (4)	Rockaway River Monitoring Point	754071.52	470697.75	40° 54' 12.812"	74 ⁰ 34' 39.073'	631.68	-	-	10-Nov-09		NM		-		
SW-D-3 ⁽⁵⁾ Drainage Channel Staff Gauge 754381.23 471548.18 40° 54' 15.880" 74° 34' 28.001" 625.70 - 10-Nov-09 1.78 - 623.92 SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54' 15.047" 74° 34' 31.355" 624.93 - - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54' 14.321" 74° 34' 23.155' 626.86 - - 10-Nov-09 3.13 - 623.73	SW-D-1 (5)	Drainage Channel Staff Gauge	754428.36	471240.17	40° 54' 16.343"	74° 34' 32.013'	625.75	-	-	10-Nov-09		1.98		623.77		
SW-D-4 Drainage Channel Monitoring Point 754297.19 471292.08 40° 54′ 15.047″ 74° 34′ 31.355″ 624.93 - - 10-Nov-09 1.41 - 623.52 SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54′ 14.321″ 74° 34′ 23.155″ 626.86 - - 10-Nov-09 3.13 - 623.73	SW-D-2 (5)	Drainage Channel Staff Gauge	754285.35	471361.22	400 54' 14.931"	74° 34' 30.435'	626.07	-	-	10-Nov-09		2.22		623.85		
SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54′ 14.321″ 74° 34′ 23.155″ 626.86 10-Nov-09 3.13 623.73	SW-D-3 (5)	Drainage Channel Staff Gauge	754381.23	471548.18	40° 54' 15.880"	740 341 28.001	625.70	-	-	10-Nov-09		1.78		623.92		
SW-D-5 Drainage Channel Monitoring Point 754223.14 471920.10 40° 54′ 14.321″ 74° 34′ 23.155″ 626.86 10-Nov-09 3.13 623.73	SW-D-4	Drainage Channel Monitoring Point	754297.19	471292.08	40° 54' 15.047"	74 ⁰ 34' 31.355'	624.93	-	-	10-Nov-09		1.41		623.52		
	SW-D-5	Drainage Channel Monitoring Point	754223.14	471920.10	40° 54' 14.321"	74 ⁰ 34' 23.155'	626.86	-	-	10-Nov-09		3.13		623.73		
DRC-2 Drainage Channel Monitoring Point 754117.49 471971.58 40 ⁰ 54' 13.277" 74 ⁰ 34' 22.483" 623.29 - 10-Nov-09 2.08 621.21	DRC-2		754117.49	471971.58		74 ⁰ 34' 22.483'	623.29	-	-	10-Nov-09		2.08		621.21		

FOOTNOTES

- FOOTNOTES

 (1) Reference elevation measured at the top of a 3.33 ft. Staff gauge. Water depth based on a visual observation of the water level on the Staff gauge.

 (2) Horizontal Datum: New Jersey State Plane Coordinate System NAD 83. Vertical Datum: NAVD 88

 (3) New SC-R2 replaced the old SC-R2 installed in Nov. 1998. Professional survey performed by James M. Stewart, Inc., Philadelphia, PA May 2004. SC-R2 is a chiseled arrow on Iron Beam (4) As outlined in the PRMP the sic (6) new Rockaway River monitoring points reference survey elevation was shot at the top of a stake installed to each point (5) SW-D-1, SW-D-2 and SW-D-3 were resurveyed points at the top of the stake that secures each drainage ditch staff gauge.

 These points were reshot to insure the reference elevation integrity remained for each of the 3 staff gauges as a result of source reduction remedial disturbance.

 (6) Ground reference elevation for SG and SW series gauges and monitoring points is a point specific to each devise (Le, top of stake, to of gauge, notched point on concrete or iron etc) (7) Corrected water level elevations utilize an average specific gravity of 0.9563 (RMT, Inc. product samplig in October 1999)

MW-19

TABLE 2 L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

			A	NALYTICAL PARAMETER	s		
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
	PRACTICAL QUANT	ITATION LIMIT [PQL]	1	2	1	2	3
NEW JERSEY GROUNDWATER Q	UALITY STANDARDS	(NJGWQS) CLASS IIA	0.2	700	600	1,000	2
	HIGHER C	F NJGWQS AND PQL	1	700	600	1,000	3
MW19-12							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	12-Sep-06 7-Nov-06	3 4	< 0.2 < 0.2	< 0.2 < 0.2	< 0.2 < 0.2	< 0.6 < 0.6	< 1.0 < 1.0
	7-Nov-06	4 ^{duplicate}	< 0.2	< 0.2	< 0.2	< 0.6	< 0.9
	6-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution for DEHP 1.11	19-Feb-08 6-May-08	2	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	< 1.0 < 1.1
Dillution to DEAP 1.11	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	28-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
	7-Apr-09 21-Jul-09	3	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8	< 0.9 < 0.9	< 0.9 < 1.0
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
MW-8							
	1-Sep-89	3					
	1-Jan-90 23-Jul-08	3	< 1.0	< 1.0	< 5.0	15	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	J 2.0
	14-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	8.0
	8-Apr-09	2 ⁽⁵⁾	< 0.9	< 0.8	< 0.8	< 0.9	J 3.0
	21-Jul-09 11-Nov-09	3	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8	< 0.9 < 0.9	J 2.0 J 3.0
	11-1404-09	4	< 0.9	< 0.6	< 0.6	< 0.9	3 3.0
MW-25R							
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	21-Jun-06	2 ^{duplicate}	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	13-Sep-06	3	< 0.2	< 0.2	J 0.5	< 0.6	J 1.0
	7-Nov-06 8-Feb-07	1	< 0.2 < 1.0	< 0.2 < 1.0	< 0.2 < 5.0	< 0.6 < 3.0	< 1.0 < 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	1.6
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
Dillution factor for DEHP is 1.3		4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.3
Dillution for DEHP 1.29	19-Feb-08 6-May-08	2	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	< 1.0 < 1.3
Dillution for DEHP 1.29	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
	7-Apr-09 22-Jul-09	2 ⁽⁵⁾	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8 < 0.8	< 0.9 < 0.9	J 1.0 < 0.9
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	V 0.9
MW-27s							
	22-Jun-06	2	J 0.6	3.7	3.9	14	J 3.0
	11-Sep-06 7-Nov-06	3 4	< 0.2 < 0.2	< 0.2 < 0.2	< 0.2 < 0.2	< 0.6 < 0.6	J 2.0 J 1.0
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.2
Dillution factor for DEHP is 1.1 Dillution factor for DEHP is 1.18		4	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	< 1.4 < 1.2
Dillution factor for DEHP is 1.18		2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	30-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0
	14-Jan-09 8-Apr-09	2	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8	< 0.9 J 1.0	< 1.0 < 1.0
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
MM 00-						+	
MW-28s Dilution factor for BTEX 5	21-Jun-06	2	J 1.6	560.0	< 1.0	1,400	100
Dilution factor for BTEX 5	∠ i -Juli-100	_	0.1.0	300.0	₹1.0	1,400	100

TABLE 2 L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

	ANALYTICAL PARAMETERS									
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)			
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l			
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334			
NEW JEDGEV OR OLINDWATER OF		TITATION LIMIT [PQL]	1	2	1	2	3			
NEW JERSEY GROUNDWATER Q		F NJGWQS AND PQL	0.2	700	600	1,000	3			
Division for the fact of the f	13-Sep-06	3	J 0.2	700 210.0	< 0.2	1,000 450	570			
Dilution factor for Xylene is 5, DEHP is 10 Dilution factor for Xylene is 5, DEHP is 10	13-Sep-06	3 ^{duplicate}	J 0.2	220.0	< 0.2	470	550			
Dilution factor for DEHP 10	7-Nov-06	4	< 0.2	92.0	< 0.2	180	250			
Dillution factor for DEHP is 20	7-Feb-07	1	< 1.0	70.0	< 5.0	150	260			
Dillution factor for DEHP is 20	7-Feb-07	1 duplicate	< 1.0	58.0	< 5.0	130	250			
	27-Jun-07 12-Sep-07	3	< 1.0 < 1.0	30.0 17.0	< 5.0 < 5.0	56 42	28 49			
Dillution factor for DEHP is 5 Dillution for DEHP is 1.2	6-Dec-07	4	< 1.0	32.0	< 5.0 < 5.0	96	14			
Dillution for DEHP is 20	20-Feb-08	1	< 1.0	14.0	< 5.0	36	39			
Dillution for DEHP is 11.1	7-May-08	2	< 1.0	2.7	< 5.0	6.6	160			
Dillution for DEHP is 20	23-Jul-08	3 - duplicate	< 1.0	37	< 5.0	93	420			
Dillution for DEHP is 10 Dilution factor for DEHP 10	23-Jul-08 29-Oct-08	3 ^{duplicate}	< 1.0 < 0.2	41 4.3	< 5.0 < 0.2	100 15	290 300			
Dilution factor for DEHP 10 Dilution factor for DEHP 10		1	< 0.9	17	< 0.8	64	140			
Dilution factor for DEHP 10		2	< 0.9	39	< 0.8	100	200			
Dilution factor for DEHP 10	22-Jul-09	3	< 0.9	18	< 0.8	53	180			
Dilution factor for DEHP 5	12-Nov-09	4	< 0.9	10	< 0.8	67	130			
MW-28i										
Dilution factor for BTEX 5	22-Jun-06	2	< 1.0	480.0	< 1.0	1,300	270			
Dillution factor for Xylene and DEHP is 5	13-Sep-06	3	< 0.2	72.0	J 0.6	520	180			
	7-Nov-06	4	< 0.2	10.0	< 0.2	14	90			
Dillution factor for DEHP is 10	7-Feb-07 27-Jun-07	1 2	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	76 3.9			
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	21			
Dillution for DEHP is 1.3	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	1.4			
Dillution for DEHP is 5	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	31			
Dillution for DEHP is 1.11		2	< 1.0	< 1.0	< 5.0	< 3.0	28			
	23-Jul-08 29-Oct-08	3 4	< 1.0 < 0.2	< 1.0 < 0.2	< 5.0 < 0.2	< 3.0 < 0.6	49 110			
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	61			
	15-Jan-09	1 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	41			
Dilution factor for DEHP 10	8-Apr-09	2 ⁽⁵⁾	< 0.9	< 0.8	< 0.8	< 0.9	240			
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	19			
	12-Nov-09	4 4 duplicate	< 0.9	< 0.8	< 0.8	< 0.9	15 11			
	12-Nov-09	4 '	< 0.9	< 0.8	< 0.8	< 0.9	11			
MW-29s										
	22-Jun-06	2	< 0.2	J 0.2	< 0.2	J 0.6	J 1.0			
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	J 1.0			
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	31			
	7-Feb-07 27-Jun-07	2	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	< 1.0 < 1.0			
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0			
Deillution for DEHP 1.2	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.2			
	19-Feb-08	1 1 duplicate	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0			
Dillution factor for DEHP 1.05 [DUP-02]	19-Feb-08		< 1.0	< 1.0	< 5.0	< 3.0	< 1.0			
Dillution factor for DEHP 1.18	7-May-08 22-Jul-08	3	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0 < 5.0	< 3.0 < 3.0	< 1.2 < 1.0			
	29-Oct-08	4	< 0.2	< 0.2	J 0.3	< 0.6	< 1.0			
	29-Oct-08	4 ^{duplicate}	< 0.2	< 0.2	J 0.2	< 0.6	< 0.9			
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0			
	7-Apr-09	2 ⁽⁴⁾	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0			
	21-Jul-09 11-Nov-09	3 4	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8	< 0.9 < 0.9	< 1.0 < 1.0			
	11.101.00									
MW-30s										
	21-Jun-06	2	< 1.0	1,200	J 1.3	3,900	740			
Dilution factor for BTEX 20, DEHP is 500	13-Sep-06	3 4	< 4.0	1,200 540	46.0	5,100	19,000			
Dilution factor for BTEX 5, DEHP is 100	9-Nov-06 7-Feb-07	1	< 1.0 NS - frozen		< 1.0 NS - frozen	2,600 NS - frozei	2,500 n NS - frozen			
Dilution factor for BTEX 5, DEHP is 2000	26-Jun-07	2	2.1	300	< 25	1,200	13,000			
Dilution factor for DEHP is 50		3	< 1.0	< 1.0	< 5.0	< 3.0	880			
Dilution factor for DEHP is 200	12-Sep-07	3 ^{duplicate}	< 1.0	< 1.0	< 5.0	< 3.0	1,700			
Dillution factor for DEHP is12, BTEX is 5 Dillution factor for DEHP is 111, BTEX is 5	6-Dec-07 20-Feb-08	1	1.5 < 5.0	34.0 110	110 < 25	260 480	200 3,800			
Dillution factor for DEHP is 111, BTEX is 5 Dillution factor for Total Xylene is 5, DEHP is 1.25	8-May-08	2	< 1.0	100	< 25 < 5.0	460	9.6			
	22-Jul-08	3	< 1.0	14	< 5.0	86	80			
DEHP dilution 5	29-Oct-08	4	< 0.2	80	J 0.2	290	180			

TABLE 2 L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

MW-301 MW-302 M				ANA	ALYTICAL PARAMETERS			
New Jests	MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	Ethylhexylphthalate
### SOLUBLITY LIMIT PRACTICAL QUANTITATION LIMIT FOR REPUBLICATION LIMIT FOR ANDRONG ALUSE NA PRACTICAL QUANTITATION LIMIT FOR REPUBLICATION LIMIT FOR ANDRONG ALUSE NA PROVIDED TO 100 1			UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
New Jersey Groundware Quality Standards (New York Not			SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	
		PRACTICAL QUANT	TITATION LIMIT [PQL]	1	2	1	2	3
No. No.	NEW JERSEY GROUNDWATER QU	JALITY STANDARDS	(NJGWQS) CLASS IIA	0.2	700	600	1,000	2
MW-301 21-Jun-06 2 40 3 40 8 40 40		HIGHER C	F NJGWQS AND PQL	1	700	600	1,000	3
MW-30i								
MW-30 11-Nov-09								
MW-30 21-Jun-06								
2 1,00 6 2 1,0 3 8 1,4 170 1	Silator to SETI 10 10	111100 00		1 0.0	00	V 0.0	110	000
13-Sep-06 3	MW-30i							
B-Nov-06 4		21-Jun-06	2	J 0.3	38	1.4	170	J 2.0
B-Nov-06 4 store Co.2 Jo.2 c.0.6 c.1.0		13-Sep-06		< 0.2	1.5	< 0.2	4.9	19
T-Feb-07			4					
28-Jun-07 2				_				1
12-Sep-07								
Company Comp								
Characterists (CREPT to 1) 19-Feb-08 1	Dillution factor for DFHP 1 2							-
T-May-08								
22_Uside 3	Dillution factor for DEHP 1.05	7-May-08		< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
29-Oct-08	Dillution factor for DEHP 1.18		_					
15-Jan-09								
SAPP-09 2 < 0.9 < 0.8 < 0.8 < 0.9 J 3								
MW-30d								
MW-30d		23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2
MW-30d								
21-Jun-66 2		11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	J 1
21-Jun-66 2	MW-30d							
S-Nov-06		21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	J 3.0
T-Feb-07		14-Sep-06	3	< 0.2			< 0.6	J 9.0
26_JUn-07 2								
12-Sep-07								
A - Dec-07								
Dilution factor for DEIPP 1.05 19-Feb-08 1	Dillution factor for DEHP 1.1							
Dilution factor for DEHP 148 7-May-08 2 < 1.0 < 1.0 < 5.0 < 3.0 < 1.0	Dillution factor for DEHP 1.1	4-Dec-07	4 ^{duplicate}	< 1.0	< 1.0	7.7	< 3.0	< 1.1
22-Jul-08 3								
29-Oct-08	Dillution factor for DEHP 1.05	•						
15-Jan-09								
S-Apr-09			1					
MW-31S Series Miller M		8-Apr-09		< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
MW-31s Dilution factor for BTEX 500, DEHP 83.5 S-May-08 2 < 500 5,500 < 2,500 27,000 310								
Dillution factor for BTEX 500, DEHP 83.5 8-May-08 2 < 500 5,500 < 2,500 27,000 310		11-NOV-U9	4	< 0.9	< υ.δ	< U.8	< 0.9	< 0.9
Dillution factor for BTEX 500, DEHP 83.5 8-May-08 2 < 500 5,500 < 2,500 27,000 310	MW-31s							
DELPF 500 23-Jul-08 3 < 20 9,000 < 100 49,000 16,000		8-May-08	2	< 500	5,500	< 2,500	27,000	310
Dillution factor for Benzene & Toluene 5, Ethylbenzene and Xylenes 100, DEHP 10 9-Apr-09 2 < 9 2,300 < 8 9,600 690	ышихоп tactor for Benzene & Toluene 20, Ethylbenzene and Xylenes 250, DEHP 500							-,
Delify 50 14-Jan-09 1 < 0.9 4,400 J 46 25,000 3,100	Dillution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 100,							
Dilution factor for Benzene & Toluene 5, Ethylbenzene and Xylene 50, DEHP 10 12-Nov-09 4 < 5 1,300 J 5 7,400 340	DEHP 50							
NW-32s Section May-32s Section May-08 S								
MW-32S	500							
Dillution factor for BTEX 200, DEHP 12100 S-May-08 2 < 200 16,000 < 1,000 75,000 370,000	Diliulium lactor for Benzene Etnyldenzene & Toluene 5, Xylene 50, DEHP 10	12-INOV-U9	4	< υ	1,300	Jo	7,400	340
Dillution factor for Benzene & Tolluene 50, Ethythenzene and Xylenes 200, DEHP 200 23-Juli-08 3 < 50 8,600 < 250 43,000 7,900	MW-32s							
STEP 200 23-Jul-08 3 < 50 8,600 < 250 43,000 7,900		8-May-08	2	< 200	16,000	< 1,000	75,000	370,000
Dilution for BTE 50, Xylene 500, DEHP 500 15-Jan-09 1 < 45 8,900 < 40.0 40,000 12,000	DEHP 200				_			
Dilution for Benzene & Ethythenszene 20, Toluene & Xylenes 200, DEHP 100 8-Apr-09 2 < 18 8,200 < 16.0 50,000 8,600 Dillution factor for BTE 50, Xylene & DEHP 200 23-Jul-09 3 < 45					_			
Dillution factor for BTE 50, Xylene & DEHP 200 23-Jul-09 3 < 45 7,400 < 40.0 43,000 5,400								
Diffusion factor for B I E 20, Xylene 200 & DEHP 100 12-INOV-U9 4 < 18 3.800 < 10.0 29.000 2.300	Dilliution factor for BTE 50, Xylene & DEHP 200 Dilliution factor for BTE 20, Xylene 200 & DEHP 100	12-Nov-09	4	< 18	3,800	< 16.0	29,000	2,300

TABLE 2 L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Groundwater Monitoring Data

			ANALYTICAL PARAMETERS								
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)				
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l				
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334				
	DD ACTICAL CUAN			2	· · · · · · · · · · · · · · · · · · ·	2					
		TITATION LIMIT [PQL]	1		1		3				
NEW JERSEY GROUNDWATER QU			0.2	700	600	1,000	2				
	HIGHER C	F NJGWQS AND PQL	1	700	600	1,000	3				
MW-33s											
Dillution factor for DEHP 1.25	8-May-08	2	4	6.6	< 5.0	27	16				
	23-Jul-08	3	1.8	< 1.0	< 5.0	3.3	21				
Dilution factor for DEHP 50	30-Oct-08	4	J 0.4	J 0.6	J 0.3	< 3.0	5,500				
Dilution factor for DEHP 200	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	3,400				
Dilution factor for DEHP 50	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	1,100				
Dilution factor for DEHP 500	23-Jul-09	3	< 0.9	< 0.8	< 0.8	J 2.0	81,000				
Dilution factor for DEHP 20	12-Nov-09	4	< 0.9	< 0.8	< 0.8	J 2.0	790				
BANA/ O 4 -											
MW-34s	0.1400	0	4.0	000	F.0	4.000	0.0				
Dillution factor for Ethylbenzene and Total Xylenes 5, DEHP 1.33 Dillution factor for BTEX 20	6-May-08 23-Jul-08	3	1.3 < 20	230 470	< 5.0 < 100.0	1,200 2,300	3.0 1.6				
Dillution factor for BTEX 20	23-Jui-08 30-Oct-08	4	< 0.2	2	< 0.2	180	7				
Dilution factor for BTE 10, Xylene 100	15-Jan-09	1	< 9	2,700	J 16.0	13,000	7				
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100	8-Apr-09	2	< 9	3,600	J 18.0	18,000	J 5				
Dilution for Benzene & Toluene 10, Ethylbenzene & Xylenes 100, DEHP 100 Dilution for Benzene & Toluene 2, Ethylbenzene & Xylenes 20	23-Jul-09	3	< 2	1,300	J 5.0	6,700	9				
Ethylbenzene & Xylenes 10	12-Nov-09	4	< 0.9	440	< 0.8	1,000	J 4				
		-				1,000					
MW-35s											
Dillution factor for Ethylbenzene and Total Xylenes 500, DEHP 57	6-May-08	2	1.3	230	< 5.0	1,200	490				
Dillution factor for Benzene & Toluene 10, Ethylbenzene and Xylenes 250, DEHP 20	23-Jul-08	3	16	12,000	260.0	67,000	530				
Dilution factor for Xylenes 100, Benzene 20, Toluene 20, Ethlbenzene 100, DEHP 10	30-Oct-08	4	J 9.6	8,800	34.0	57,000	460				
Dilution factor for Benzene and Toluene 20, Ethylbenzene, Xylene and DEHP 200	15-Jan-09	1	< 18	12,000	J 36.0	88,000	3,500				
Dilution factor for Benzene and Toluene 20, Ethylbenzene& Xylene 200,											
DEHP 50 Dilution factor for Benzene & Toluene 20, Ethylbenzene and Xylene 200,	8-Apr-09	2	< 18	13,000	J 40.0	100,000	1,800				
DEHP 500 Dilution factor for Benzene Ethylbenzene & Toluene 50, Xylene and DEHP	23-Jul-09	3	< 18	14,000	J 36.0	92,000	20,000				
500	12-Nov-09	4	< 45	8,900	< 40.0	69,000	3,000				
Atmosphania Dlank	40 1 05	4	0.0	0.0	0.0	0.0	4.0				
Atmospheric Blank	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	8-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	26-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	12-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	8-Feb-07	1	< 1.0	< 1.0	J 1.9	< 3.0	< 1.0				
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
	11-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
	5-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
ATM-01	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
ATM-01, Dillution factor for DEHP 1.08	6-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.1				
	22-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
	28-Oct-08 14-Jan-09	1	< 0.2	< 0.2	< 0.2	< 0.6 < 0.9	< 1.0 < 1.0				
	8-Apr-09	2	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8 < 0.8	< 0.9	< 1.0				
	22-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9				
	11-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9				
		-									
Rinsate Blank											
	14-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	21-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	22-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	14-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	9-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	< 1.0				
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0				
	27-Jun-07	2									
	27-Jun-07 27-Jun-07	2	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0	< 3.0	< 1.0				
	∠r-Jun-U/		< 1.U	< 1.0	< 5.0	< 3.0	< 1.0				

L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey **Groundwater Monitoring Data**

			AA				
MONITORING WELLS	SAMPLE DATE	QUARTER	Benzene	Ethylbenzene	Toluene	Total Xylenes	bis-2- Ethylhexylphthalate (DEHP)
		UNITS	ug/l	ug/l	ug/l	ug/l	ug/l
		SOLUBILITY LIMIT	1,700,000	152,000	515,000	175,000	334
	PRACTICAL QUANT	FITATION LIMIT [PQL]	1	2	1	2	3
NEW JERSEY GROUNDWATER QU	JALITY STANDARDS	(NJGWQS) CLASS IIA	0.2	700	600	1,000	2
		F NJGWQS AND PQL	1	700	600	1,000	3
	10-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	12-Sep-07	3	< 1.0	< 1.0	< 5.0	< 3.0	1.1
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	2.7
	6-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	20-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
	5-May-08	2	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-02	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0
RB-03	23-Jul-08	3 4	< 1.0	< 1.0	< 5.0	< 3.0	< 1.0 < 0.9
RB-02 RB-03	30-Oct-08 30-Oct-08	4	< 0.2 < 0.2	< 0.2 < 0.2	< 0.2 < 0.2	< 0.6 < 0.6	< 1.0
RB-01	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-02	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-01	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-02	9-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
RB-01	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	< 0.9
RB-02	23-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	J 2.0
RB-02	12-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	< 1.0
Trip Blank							
THE DIGITAL	13-Jan-05	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	9-Apr-05	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Jul-05	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	27-Oct-05	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	28-Feb-06	1	< 0.2	< 0.2	< 0.2	< 0.6	NA
	20-Jun-06	2	< 0.2	< 0.2	< 0.2	< 0.6	NA
	12-Sep-06	3	< 0.2	J 0.2	< 0.2	< 0.6	NA
	13-Sep-06	3	< 0.2	< 0.2	< 0.2	< 0.6	NA
	6-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Nov-06	4	< 0.2	< 0.2	< 0.2	< 0.6	NA
	7-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	8-Feb-07	1	< 1.0	< 1.0	< 5.0	< 3.0	NA
	27-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA NA
	26-Jun-07	2	< 1.0	< 1.0	< 5.0	< 3.0	NA NA
	4-Dec-07	4	< 1.0	< 1.0	< 5.0	< 3.0	NA NA
	5-Dec-07 18-Feb-08	1	< 1.0	< 1.0	< 5.0	< 3.0	NA NA
			< 1.0	< 1.0	< 5.0 < 5.0	< 3.0 < 3.0	NA NA
	5-May-08 22-Jul-08	3	< 1.0 < 1.0	< 1.0 < 1.0	< 5.0	< 3.0	NA NA
	23-Jul-08	3	< 1.0	< 1.0	< 5.0	< 3.0	NA NA
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA NA
	29-Oct-08	4	< 0.2	< 0.2	< 0.2	< 0.6	NA NA
	15-Jan-09	1	< 0.9	< 0.8	< 0.8	< 0.9	NA
	5-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	NA
	7-Apr-09	2	< 0.9	< 0.8	< 0.8	< 0.9	NA
	21-Jul-09	3	< 0.9	< 0.8	< 0.8	< 0.9	NA NA
	23-Jul-09 8-Nov-09	3 4	< 0.9 < 0.9	< 0.8 < 0.8	< 0.8 < 0.8	< 0.9 < 0.9	NA NA
	10-Nov-09	4	< 0.9	< 0.8	< 0.8	< 0.9	NA NA
		·		1 5.5		1 3.0	

LEGEND

ug/L = micrograms per liter

NJGWQS = New Jersey Groundwater Quality Standards

ROD: Record of Decision NA = Not Applicable

NS = Not Sampled

ND: No Detection duplicate = Duplicate sample

B: Analyte also detected in blank

- (1) Low flow sampling initiated 1st quarter 2002
- (2) GEI series wells are piezometers installed by Weston
- (3) GEI series wells, MW-19-3, and MW-19-4 are not sampled under revised groundwater monitoring program effective 1Q05.
- (4) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD. However, DEHP was not detected in the re-analysis of the sample. The data reported here is from the re-analysis of the sample.
- (5) Recovery of initial DEHP analysis was above QC limits in the LCS. Sample was re-extracted and DEHP was again above the QC limits in the LCS/LCSD.
- Comparable data was observed beween the two extractions. The data reported here is from the initial extraction of the sample.

1.2 (6) NJGWQS for toluene lowered August 2007

J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA		NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005 ⁽²⁾
MW-19-12	2Q06	4000	11.2 J	548	0.048 J	ND	ND	15.1	4.8 J	ND
Dilution factor for Methane 5	3Q06	170	6.4 J	822	0.36	ND	ND	22.9	170	ND
	4Q06	2	4.4 J	716 718	0.22	ND ND	ND	21.3	130 130	ND
	4Q06D 1Q07	<u>2</u> 4	ND 5.5	400	0.17 0.56	ND 0.12	ND ND	21.8 20	ND	ND ND
	2Q07	55	ND	240	0.93	ND	ND ND	13	ND	ND
	2Q07D	8	ND	270	0.93	ND	ND	13	ND	ND
	3Q07	73	ND	290	0.89	ND	ND	13	ND	ND
	4Q07	FS	3	260	0.9	ND	ND	11	ND	ND
	1Q08	9	ND	160	0.84	ND	ND	5.7	ND	ND
	2Q08	ND	1.1	220	1	ND	ND	10	ND	ND
	3Q08	2	1.7	220	0.72	ND	ND	8.1	ND	ND
	4Q08	7	ND	269	0.79	ND	ND	16.6	ND	ND
	1Q09 2Q09	4	ND 5.0.1	170 334	1.1	ND ND	ND ND	18.3	ND ND	ND ND
	2Q09 3Q09	320 18	5.2 J ND	261	0.94 0.9	6.2	ND ND	18.5 13.3	ND ND	ND ND
Dilution factor for sulfate 5	4Q09	ND	ND	263	0.9	ND	ND ND	15.3	ND	ND
Dilation factor for surface of	4000	ND	ND	200	0.01	ND	ND	10.0	ND	ND
MW-8										
Dilution factor for Methane 10	3Q08	ND	66	300	ND	0.68	0.4	ND	3000	ND
Dilution factor for Methane 20	4Q08	5200	33.6	94.5	ND	0.35 J	ND	1.9 J	1800	ND
Dilution factor for Methane 10	1Q09	51	56.8	270	ND	0.64	0.16	ND	2600	ND
Dilution factor for Methane 50	2Q09	450	28	174	ND	ND	ND	ND	6100	ND
	3Q09	75	40	407	ND	ND	0.13	2.5 J	2400	ND
Dilution factor for Methane 20	4Q09	84	42.5	191	ND	0.53 J	ND	ND	5600	ND
MW-25R	2006	1100	18.8	340	ND	0.24 J	ND	2.9 J	140	ND
WW-23R	2Q06 3Q06	>5700	279	329	ND ND	0.24 J	0.14	3.3 J	30	ND
	4Q06	1000	16.8	331	ND	ND	ND	6.2	25	ND
	1Q07	240	49	300	ND	0.12	ND	ND	29	ND
	2Q07	>5700	100	340	ND	0.15	ND	5.9	33	ND
	2Q07D	>5700	100	350	ND	0.11	ND	6.4	32	ND
	3Q07	>5700	10	260	ND	ND	ND	14	ND	ND
	4Q07	FS	490	380	ND	0.41	0.43	10	ND	ND
	1Q08	>5700	140	360	ND	0.13	0.17	5.4	55	ND
	2Q08	>5700	200	330	ND	0.15	0.23	ND	130	ND
	3Q08 4Q08	ND F700	68 ND	380 243	ND ND	0.14 ND	ND ND	ND 16	12 3.5 J	ND ND
	1Q09	>5700 1500	36.8	344	ND ND	ND ND	ND ND	36.5	57	ND ND
	2Q09	>5700	98.8	362	ND	ND ND	ND ND	9.4	7.6 J	ND ND
	3Q09	2100	32.4	412	ND	ND	ND	8.5	100	ND
Dilution factor for Sulfate 5	4Q09	1600	160	198	ND	0.42 J	ND	12	30	ND
MW-27s	2Q06	NR	5180	630	ND	0.26 J	4.8	43.3	20	ND
	3Q06	>5700	3850	798	ND	ND	1.4	108	3.7 J	ND
	4Q06	>5700	166	753	0.16	ND	0.82	116	2.3 J	ND
	1Q07 2Q07	>5700 >5700	580	650	ND	ND	0.19	91	ND	ND
	2Q07 3Q07	>5700 270	48 150	640 630	ND ND	ND ND	3.5 0.12	97 84	ND ND	ND ND
	4Q07	FS	260	620	0.16	0.45	ND	87	22	ND
	1Q08	>5700	850	530	0.65	ND	0.74	78	ND	ND
	2Q08	>5700	770	490	0.19	ND	0.91	67	ND	ND
Dilution factor for Phosphorus 5	3Q08	560	1,400	620	ND	0.14	17	61	11	ND
	4Q08	390	66.4	571	0.2	ND	.085 J	68.8	ND	ND
	1Q09	190	1,200	517	0.55	ND	0.27	62.5	ND	0.0283
	2Q09	81	253	454	0.96	ND	ND	52.6	ND	ND
	3Q09	8	684	482	0.38	ND ND	ND	43.9	ND	ND
Dilution factor for Sulfate 5	4Q09	23	300	721	0.5	ND	ND	47.9	ND	ND
MW-28s	2Q06	6	35.2	350	ND	0.35 J	0.25	2.6 J	3100	ND
Dilution factor for Methane 200	3Q06	1,300	22	460	ND	0.26 J	0.37	ND	3,200	ND
Dilution factor for Methane 200	3Q06D	1,500	22	468	ND	ND	0.37	1.7J	3,100	ND
Dilution factor for Methane 100	4Q06	1	25	347	ND	ND	0.43	2.0 J	4,400	ND
	1Q07	460	180	350	ND	ND	0.42	ND	170	ND
	1Q07D	230	93	360	ND	ND	0.43	ND	810	0.0051
Dilution factor for Methane 10	2Q07	78	49	400	ND	0.14	0.34	ND	1,600	ND
Dilution factor for Methane 4	3Q07	ND 200	50	350	ND	ND 0.40	0.34	ND	1,100	ND
Dillution for Methane is 40	4Q07	320	42	330 250	ND	0.19	0.38	ND	1,900	ND
Dilution for Methane is 10	1Q08 2Q08	80 11	31 44	360	ND ND	0.14 0.19	0.36 ND	ND ND	570 1,400	ND ND
Dilution for Methane is 10	Z\U0	11	44	300	טוו	U.19	עאו ו	ר ואר	1,400	או

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
Dilution factor for Methane 4	3Q08	ND	52	340	ND	0.17	0.4	ND	0.86	0.0056
Dilution factor for Methane 20	4Q08	82	23.6	321	ND	ND	0.31	2.3 J	1,800	ND
Dilution factor for Methane 200	1Q09	9	38.4	356	ND	0.27 J	0.32	ND	5,000	ND
Dilution factor for Methane 5	2Q09	530	6.0 J	327	ND	ND	0.24	5.8	1,000	ND
Dilution factor for Methane 50	3Q09	2	28.8	679	ND	0.36 J	0.26	ND 4.0.1	5,200	ND
Dilution factor for Methane 2 and Sulfate 5	4Q09	54	17.2	408	ND	ND	0.16	4.2 J	460	ND
MW-28i										
Dilution factor for Methane 10	2Q06	290	28	367	0.047 J	ND	0.22	2.2 J	1900	ND
Dilution factor for Methane 100	3Q06	>5,700	42.8	338	ND	ND	0.19	3.5 J	1500	ND
Dilution factor for Methane 100	4Q06	440	15.6	335	ND	ND	0.22	3.0 J	1500	ND
	1Q07	110	34	380	0.1	0.2	0.35	ND	410	ND
Dilution factor for Methane 4	2Q07	24	23	330	ND	0.27	0.29	ND	710	ND
	3Q07	37	37	300 360	ND	0.28	0.27	ND 5.1	560	ND ND
	4Q07 1Q08	160 ND	34 25	290	ND ND	0.47 0.37	0.64 0.29	ND	370 170	ND ND
Dilution factor for Methane 10	2Q08	17	38	560	ND ND	0.37	0.29	ND ND	870	ND ND
Dilution factor for Methane 10	3Q08	51	29	310	ND	0.25	280	ND	410	ND
Dilution factor for Methane 5	4Q08	24	20.8	360	ND ND	0.25 0.54 J	0.23	6.7	500	ND
Dilution factor for Methane 10	1Q09	3	31.6	399	ND	.42 J	0.27	ND	1800	ND
Dilution factor for Methane 10	1Q09D	4	35.2	415	ND	0.54 J	0.26	ND	1700	ND
	2Q09	89	13.6	351	ND	ND	0.22	7.7	110	ND
Dilution factor for Methane 10	3Q09	ND	20	542	ND	1.1	0.21	2.6 J	2100	ND
Dilution factor for Sulfate 5	4Q09	4	18	445	ND	0.38 J	0.11	7.8	190	ND
Dilution factor for Sulfate 5	4Q09D	4	19.6	417	ND	0.47 J	0.13	7.8	180	ND
MW-29s	2Q06	250	58.8	504	ND	11.9	0.45	4.0 J	1200	ND
Dilution factor for Methane 250	3Q06	>5700	54	546	ND ND	9.9	0.45	1.9 J	5000	ND
Dilution factor for Methane 100	4Q06	190	35.6	509	ND	8.3	0.29	3.9 J	5200	ND
Sidden ideal of mediane rec	1Q07	30	41	510	0.14	7.5	0.34	ND	450	0.0084
Dilution factor for Methane 4	2Q07	150	56	490	ND	8.3	0.29	ND	1000	ND
Dilution factor for Methane 10	3Q07	1900	54	520	ND	8.1	0.4	ND	2500	ND
Dillution for Methane 10	4Q07	FS	66	500	ND	9.3	0.44	ND	3100	0.014
Dillution for Lead 5	1Q08	93	60	510	ND	7.5	0.34	ND	2000	ND
Dillution for Lead 5	1Q08D	120	38	510	ND	7.6	0.35	ND	1800	ND
Dilution for Methane 10	2Q08	65	40	490	ND	8.2	0.3	ND	2100	ND
Dilution factor for Methane 4	3Q08	130	20	460	ND	7.7	0.41	ND	1,700	ND
Dilution factor for Methane 50		52	37.2	455	ND	7.2	0.35	ND	4,400	ND
Dilution factor for Methane 50	4Q08D	56	41.6	462	ND	7.2	0.34	ND	4,600	ND
Dilution factor for Methane 200	1Q09	1600	58.8	425	ND	7.2	0.32	3.0 J	6,100	ND
Dilution factor for Methane 50	2Q09	200	58	464	ND ND	5.8	0.28	7.3	4,000	ND ND
Dillution factor for Methane 100 Dillution factor for Methane 20 and Sulfate 5	3Q09	21 3	47.2 39	542 436	ND ND	7.5 8.9	0.31 0.25	3.3 J ND	4,800	ND ND
Diliulion factor for Methane 20 and Surface 3	4Q09	3	39	430	ND	0.9	0.25	IND	5,800	ND
MW-30s	2Q06	2200	75.6	348	ND	0.86	0.17	5.2	3800	ND
Dilution factor for Methane 200	3Q06	>5700	132	457	ND	0.89	0.32	ND	2500	ND
Dilution factor for Methane 100	. 400	>5700	147	448	ND	1.1	0.24	5.5	6500	ND
Dilution factor for Methane 10	2Q07	>5700	650	350	ND	0.94	1.6	ND	1800	ND
Dilution factor for Methane 4	3Q07	>5700	220	440	ND	1	0.34	ND	1700	ND
Dilution factor for Methane 4	3Q07D	>5700	180	400	ND	1.1	0.33	ND	1500	ND
Dilution factor for Methane 10	4Q07	>5700	120	520	ND	1.3	0.22	ND	1900	ND
Dilution factor for Methane 4	1Q08	1,100	2,300	410	ND	0.97	1.2	ND	1,300	ND
Dilution factor for Methane 10	2Q08	>5700	36	320	ND	0.93	0.26	ND	1,700	ND
Dilution factor for Methane 4 Dilution factor for Methane 50	3Q08 4Q08	ND 2,300	36 18	390 401	ND ND	2.60 1.30	0.29 0.19	ND ND	1,800 4,100	ND ND
Dilution lactor for Methane 50	1Q09	NS-frozen		NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
Dilution factor for Methane 20	2Q09	210	40	464	ND	1.3	0.14	2.0 J	3,700	ND
Dilution factor for Methane 50	3Q09	720	38.8	461	ND	1.6	0.14	ND	4,200	ND
Dilution factor for Methane 20 and Sulfate 5	4Q09	720	33.2	457	ND	1.3	ND	ND	4,400	ND
MW cc.				200			0.45	0.0	,	N'5
MW-30i	2Q06	>5700	18.8	369	ND	1.8	0.15	8.2	1100	ND
Dilution factor for Methane 100		290	41.6	414	ND	0.83	0.23	3.2 J	1200	ND
Dilution factor for Methane 50		40	17.2	456	ND	0.89	0.24	11.1	930	ND
Dilution factor for Methane 50 Dilution factor for Methane 4	4Q06D 2Q07	43	41.2	478 300	ND ND	ND 0.8	0.23	11.1 ND	930	ND ND
Dilution factor for Methane 4	3Q07	36 ND	34 41	430	ND ND	0.8	0.31 0.33	ND ND	680 97	ND ND
	4Q07	470	69	530	ND ND	1.1	0.33	ND ND	ND	ND ND
	1Q08	2	33	410	ND	1.2	0.43	ND	370	ND
	2Q08	23	27	540	ND	1.2	ND	ND	510	ND
	2Q08D	16	26	300	ND	1	0.29	ND	560	ND
						·		•		

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Analytical Data

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005 ⁽²⁾
Dilution factor for Methane 4	3Q08	ND	31	390	ND	1.3	0.38	ND	790	ND
Dilution factor for Methane 5	4Q08	6	21.6	411	ND	1.4	0.27	4.4 J	400	ND
	1Q09	NS-frozen		NS-frozen 474	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
Dillution factor for Methane 2, Ammonia Nitrogen 2	2Q09 3Q09	670 5	36.8 28.0	474	ND ND	1.3 1.3	0.19 0.26	5.9 4.3 J	270 660	ND ND
Dillution factor for Methane 2	3Q09D	6	24.8	444	ND ND	0.72	0.25	4.3 J	730	ND
Dillution factor for Sulfate 5	4Q09	13	24.0	448	ND	ND	0.14	6.1	170	ND ND
MW-30d	2Q06	2800	11.6	248	ND	0.30 J	ND	9.7	45	ND
	3Q06	>5700	6.4 J	288	0.043 J	ND	ND	10.6	5.3	ND
	4Q06	47	5.6 J	375	ND	ND	ND	12.5	22	ND
	2Q07	130	13	240	ND	0.11	ND	10	77	ND
	3Q07	78	9	260	ND	0.16	ND	11	ND	ND
	4Q07	FS	20	300	ND	0.24	0.11	11	ND	ND
	4Q07D	FS	20	270	ND	0.19	0.28	11	ND	ND
	1Q08	790	8	300	ND	0.12	ND	9.4	47	ND
	2Q08	420	12	370	ND	0.27	ND	5.3	140	ND
	3Q08	ND 40	9.2	280	ND ND	0.31	0.13	9.2	16	ND
	4Q08	40	9.2 J	309	ND NO fee	0.27 J	ND NO fee	12.7	ND NC for each	ND NO francis
	1Q09	NS-frozen		NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	75	9.2 J	324	0.046 J	ND	ND ND	14.3	5 J	ND ND
Dillution factor for Sulfate 5	3Q09 4Q09	9 7	6.4 J 5.2 J	321 331	ND 0.1	ND ND	ND ND	14.8 15.0	60 ND	ND ND
	4009	'	5.2 5	331	0.1	ND	ND	13.0	ND	IND
MW-31s	0000	F700	400	040	0.40	00	0.00	4.4	2000	ND
Dilution factor for Ammonia and Methane 10	2Q08	>5700	460	810	0.12	22	0.68	44	3000	ND
Dilution factor for Ammonia and Methane 10	3Q08	ND F700	320	1900 502	ND ND	22	0.71 0.14	72 84.2	2100 2800	ND ND
Dilution factor for Sulfate 10 and Methane 50 Dilution factor for methane 100	4Q08	> 5700	11.5 J 35.2	629	ND ND	10.8	0.14	47.9		ND ND
Dilution factor for Methane 100	1Q09 2Q09	620 > 5700	35.2 ND	556	0.056 J	22.6 6.4	0.40 ND	136	11000 2400	ND ND
Dillution factor for Sulfate 5, and Methane 50	3Q09	6800	36.80	576	ND	19.8	0.12	35.9	12000	ND
Dillution factor for Sulfate 20, and Methane 20	4Q09	100000	7.6 J	619	ND ND	9.1	ND	187.0	3200	ND
MW-32s										
Dilution factor for Methane 10	2Q08	>5700	NS	3400	ND	2	14	8.6	4800	ND
Dilution factor for Methane 10	3Q08	410	NS	650	ND	1.6	2.6	NS	2900	ND
Dilution factor for Sulfate 20 and Methane 100	4Q08	> 5700	50	818	ND	1.6	0.11	200	5400	ND
Dilution factor for Methane 200	1Q09	430	385	637	ND	0.69	ND	8.9	9500	ND
Dilution factor for Sulfate 20 and Methane 100	2Q09	240	35.2	612	0.16	1.8	ND	122	6900	ND
Dillution factor for Ammonia Nitrogen 3 and Methane 5	3Q09	290	113	620	ND	ND	ND	2.8 J	12000	ND
Dillution factor for Sulfate 5 and Methane 50	4Q09	5200	208	691	ND	1.2	ND	47.9	7300	ND
MW-33s										
Dilution factor for Methane 10	2Q08	>5700	220	310	ND	5	0.17	8	2800	0.011
Dilution factor for Methane 10		ND	250	380	ND	7	ND	10	2000	ND
Dilution factor for Methane 100	4Q08	> 5700	51	358	ND	7.4	0.13	8.6	4800	ND
Dilution factor for Methane 200	1Q09	160	122	395	ND ND	ND 0.7	ND 0.04	68.1	9600	ND
Dilution factor for Methane 50	2Q09	2800	74	410	ND	6.7	0.31	4.8 J	8400	ND
Dilution factor for Ammonia Nitrogen 2 and Methane 2	3Q09	1200	181	610	ND	5.8	0.42	12.9	5100	ND
Dilution factor for Sulfate 5 and Methane 20	4Q09	670	85	518	ND	5.8	ND	7.2	3200	ND
MW-34s								 		
Dilution factor for Methane 10	2Q08	>5700	NS	490	ND	ND	ND	12	3700	ND
Dilution factor for Methane 10	3Q08	ND	NS	NS	NS	ND	0.34	NS	2800	NS
Dilution factor for Methane 5	4Q08	2100	ND	693	0.53	0.35 J	ND	23.9	490	ND
Dilution for Ammonia Nitrogen 5, Methane 200		NM	NS	NS	ND	ND	ND	NS	7200	ND
Dilution factor for Methane 100	2Q09	NA	26.4	369	0.16	0.38 J	ND	8.7	8600	ND
Dilution factor for Methane 50	3Q09	150	56.4	NS	ND	ND	ND	4.9 J	9600	ND
Dilution factor for Sulfate 5 and Methane 20	4Q09	45	293	462	ND	ND	ND	9.8	4400	ND
MW-35s										
Dilution factor for Methane is 10	2Q08	>5700	2100	570	ND	1.8	ND	13	3900	ND
Dilution factor for Methane is 10	3Q08	ND	85	520	ND	1.3	ND	ND	3600	ND
Dilution factor for Methane 100	4Q08	> 5700	22.4 J	568	ND	2.9	0.16	20.6	12000	ND
Dilution factor for Methane 200	1Q09	1800	37.6	499	ND	0.8	.087 J	ND	20000	ND
Dilution factor for Methane 200	2Q09	680	77.6	459	ND	1.1	0.19	9.4	20000	ND
Dilution factor for Methane 100	3Q09	50	114.0	466	ND	1.4	0.25	ND 17.1	17000	ND
Dilution factor for Methane 50 and Sulfate 5	4Q09	1100	26.8	508	ND	0.84	ND	17.1	8400	ND
			1							1

L.E.Carpenter and Company (LEC), Borough of Wharton, Morris County, New Jersey **Quarterly Groundwater Monitoring MNA Analytical Data**

Well ID	Sampling Event	Heterotrophic Plate Count	TSS	TDS	Nitrate Nitrogen	Ammonia Nitrogen	Phosphorus (total)	Sulfate ⁽¹⁾	Methane	Dissolved Lead
	UNITS	cfu/ml	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l	mg/l
NEW JERSEY GROUNDWATER QUALITY CLASS IIA	STANDARDS	NCS	NCS	500	NCS	NCS	NCS	250	NCS	.005(2)
Atmospheric Blank	1Q05	> 5700	ND	ND	ND	ND	ND	ND	ND	NS
·	4Q05	5	ND	10.0 J	ND	ND	ND	0.30 J	ND	NS
	1Q06	2	ND	ND	ND	ND	ND	ND	ND	NS
	2Q06	38	ND	ND	ND	ND	ND	1.5 J	ND	ND*
	3Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q06	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q07	1	ND	ND	ND	ND	ND	ND	22	ND*
	2Q07	ND	ND	19	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	0.0051*
	3Q08	ND	ND	ND	ND	0.16	ND	ND	ND	ND*
	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
Diverse Disab	4005	20	ND	ND	ND	ND	ND	ND	ND	NO
Rinsate Blank	1Q05	36 ND	ND		ND ND	ND	ND	ND	ND	NS
	3Q05	ND	ND	ND		ND	ND	ND	ND	NS NC
	4Q05	ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	NS NC
	1Q06 2Q06	ND 120	ND ND	ND ND	ND ND	ND ND	ND ND			NS ND*
	2Q06 2Q06	250	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	2Q06 3Q06	45	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	3Q06 3Q06	84	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND*
	4Q06	56	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	1Q07	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	1Q07	ND ND	ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND*
	2Q07	1	ND	2.5	ND ND	ND ND	ND ND	ND ND	ND ND	ND*
	2Q07 2Q07	2	ND	ND	ND ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	4Q07	ND	ND	11	0.17	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	1Q08	ND	ND	ND	ND	ND	0.15	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	2Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
	3Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	4Q08	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	1Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-03	1Q09	26	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	2Q09	1	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	2Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-01	3Q09	32	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	3Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*
RB-02	4Q09	ND	ND	ND	ND	ND	ND	ND	ND	ND*

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-3, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

(1) Sulfate results reported through 4Q06, and starting again in 4Q08, have a dilution factor of 5, except for blank samples or unless otherwise noted.

Sulfate results reported from 1Q07 through 3Q08 have no dilution factor for sulfate unless noted otherwise.

(2) NJ CLASS IIA GWQC, NJ SWQC [FW2] and PQL are for Total Lead

NCS: No Criteria Specified by NJDEP

NS = Not Sampled

FS= Samples frozen in transit to lab.

ND = Not Detected

NA = Not Analyzed, due to lack of recharge water

Concentration exceeds NJGWQS

^L Lower Grab Sample

* Total Lead

^U Upper Grab Sample

Table 4

L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Field Data

MW-19-12	2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	0.99 0.21 0.23 0.18 2 9 2 7.4 4.29 4.63 6.47 9.6 4.98	7.29 7.41 7.60 6.91 7.24 7.45 7.55 6.72 7.09 7.23 6.72 7.91	-33 5 191 -39.6 137 118 2.7 78.4 79 51 91	1046 1460 1234 680 473 463 439 197.2 386	9 18 10 8 5 2 8.1	16.06 17.9 16.72 12.29 18.56 19.2 9.68	4 4 3.5 1.5 0 0	120 12 1000 100 110 85	100 17 17 10 11
MW-8	4Q06 1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	0.23 0.18 2 2 9 2 7.4 4.29 4.63 6.47 9.6	7.60 6.91 7.24 7.45 7.55 6.72 7.09 7.23 6.72	191 -39.6 137 118 2.7 78.4 79 51	1234 680 473 463 439 197.2 386	10 8 5 2 8.1	16.72 12.29 18.56 19.2 9.68	3.5 1.5 0	1000 100 110	17 10 11
MW-8	1Q07 2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	0.18 2 2 9 2 7.4 4.29 4.63 6.47 9.6	6.91 7.24 7.45 7.55 6.72 7.09 7.23 6.72	-39.6 137 118 2.7 78.4 79 51	680 473 463 439 197.2 386	8 5 2 8.1	12.29 18.56 19.2 9.68	1.5 0 0	100 110	10 11
MW-8	2Q07 3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	2 9 2 7.4 4.29 4.63 6.47 9.6	7.24 7.45 7.55 6.72 7.09 7.23 6.72	137 118 2.7 78.4 79 51	473 463 439 197.2 386	5 2 8.1	18.56 19.2 9.68	0	110	11
MW-8	3Q07 4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	2 9 2 7.4 4.29 4.63 6.47 9.6	7.45 7.55 6.72 7.09 7.23 6.72	118 2.7 78.4 79 51	463 439 197.2 386	2 8.1	19.2 9.68	0		
MW-8	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	9 2 7.4 4.29 4.63 6.47 9.6	7.55 6.72 7.09 7.23 6.72	2.7 78.4 79 51	439 197.2 386	8.1	9.68			0
MW-8	1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	2 7.4 4.29 4.63 6.47 9.6	6.72 7.09 7.23 6.72	78.4 79 51	197.2 386				110	<10
MW-8	2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	7.4 4.29 4.63 6.47 9.6	7.09 7.23 6.72	79 51	386		7.59	0	40	<10
MW-8	3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	4.29 4.63 6.47 9.6	7.23 6.72	51		0.12	13.31	0	110	<10
MW-8	1Q09 2Q09 3Q09 4Q09	6.47 9.6		91	369	6	19.58	0	70	12
MW-8	2Q09 3Q09 4Q09	9.6	7.91		500	2	13.64	0.1	110	12
MW-8	3Q09 4Q09			72	568	0.5	7.47	0.1	120	<10
MW-8	4Q09	4 98	7.59	18	621	7.18	9.29	0	70	6
MW-8			7.11	123	464	1	17.23	0	70	13
MW-8	2022	5.7	7.86	164	507	3	13.16	0	100	15
	3Q08	0.06	7.04	-162	571	20	15.63	>20	260	30
	4Q08	0.23	6.99	-51	175	70	12.91	14	40	<100
	1Q09	0.1	8.08	-198	607	52.3	9.19	>10	125	30
	2Q09	0.1	7.16	12.3	268	39	8.11	>20	160	60
	3Q09	0.07	7.14	-165.1	633	13	13.34	>20	150	30
	4Q09	0.07	8.53	-177	442	28	13.01	>20	100	25
MIN OF D	0000	0.47	C 77	400	620	0	4474	2.5	75	47
MW-25R	2Q06 3Q06	0.47 0.97	6.77 5.57	-102 90.1	620 572	9 229	14.74 15.67	3.5 5	75 160	17 350
	4Q06	0.97	7.14	-41.2	517	24	11.33	1.5	90	100
	1Q07	1.8	6.80	-100.4	636	55	7.15	3	100	150
	2Q07	0.35	6.69	-65.8	453	123	14.38	3.5	40	20
	3Q07	1	6.98	-75.3	355	NM-mtr broke	18.93	0.3	75	15
	4Q07	0.6	7.15	30	616	127	6.81	2	100	110
	1Q08	0.34	7.32	-79	639	47.6	7.87	4.5	150	12.5
	2Q08	0.21	7.20	-80	601	46	10.95	4.5	150	15
	3Q08	0.24	6.55	-110.7	446	19.2	15.71	2.5	160	70
	4Q08	1.66 0.71	7.25	22.7	227	5.9	9.6	1	70	<10
	1Q09 2Q09	0.71	7.22 7.11	21.8 -40	383 376	<u>8</u> 8	5.00 6.48	0.5 2	120 70	<10 7
	3Q09	0.36	6.77	-64	604	19.3	15.93	3	150	20
	4Q09	0.82	8.11	-44	726	121	10.94	2	70	20
MW-27s	2Q06*	1.66	7.74	183	933	>1000	16.65	0	80	<10
	3Q06	0.54	7.72	45	1437	247	19.44	0	200	14
	4Q06	2.36	7.59	134	1275	>1000	16.39	0	<10	20
	1Q07	8.29	7.15 7.09	-10.8 105.6	1078 765	>1000 >1000	8.31 15.23	NM - sediment	NM - sediment	NM - sediment
	2Q07 3Q07	0.29	7.09	27	1017	>1000	17.58	NM - sediment NM - sediment	NM - sediment NM - sediment	NM - sediment NM - sediment
	4Q07	1	7.16	165	1002	997	11.34	NM - sediment	NM - sediment	NM - sediment
	1Q08	1	7.15	71.5	612.7	186	8.41	NM - sediment	NM - sediment	NM - sediment
	2Q08	1	7.18	111.1	735	81.1	11.43	0	22.5	85
	3Q08	3.21	6.21	46	861	184	17.09	0.8	225	135
	4Q08	2.63	6.99	34.4	626	47.2	13.67	NM - ran dry	NM - ran dry	NM - ran dry
	1Q09	1.12	7.35	51.3	522	1000	10.67	0.1	200	20
	2Q09	1.55	8.2	-71	486	62	9.08	0.6	150	15
	3Q09 4Q09	0.61 5.12	7.59 8.31	15 -5	675 1180	24.8 108	15.29 15.93	1 NM	250 NM	20 NM
	+WU3	J. 1Z	0.01	5	1100	100	10.30	I AIVI	IAIAI	I AINI
MW-28s	2Q06	0.11	7.69	-478	687	12	14.38	>10	82	37
	3Q06	0.27	5.96	-101.8	831	14	17.69	>20	180	90
	4Q06	0.04	7.22	-146.8	684	20	15.27	>20	200	55
	1Q07	2.1	6.74	-176.2	650	12	9.75	>20	160	22
	2Q07	0.48	7.01	-138.3	568	36	15.36	>20	180	35
	3Q07	0.1	7.1	-132.1	576	9.6	16.99	>20	180	50
	4Q07 1Q08	0.2 0.11	6.86 7.3	-120.4 -169	634 492	7.03 11.3	11.97 9.22	>20 15	170 130	22 20
	2Q08	0.11	6.57	-52.4	508	9.13	12.25	>10	140	35
	3Q08	0.19	6.91	-65.1	390	9.54	15.33	>20	200	35
	3Q08	1	6.8	-92	494	339	16.5	NM	NM	NM
	4Q08	0.05	6.94	-81.5	395	7.96	13.88	>20	170	<100
	1Q09	0.18	7.59	-15.3	466	9.86	9.63	>20	115	22
	2Q09	0.06	6.75	-76.6	392	9	9.26	>20	150	40
	3Q09	0.06	6.93	-114.2	899	9.66	14.81	>20	160	40
	4Q09	0.4	8.52	-143	830	6	13.25	>20	70	20
										ļ
MW-28i	2Q06	0.23	7.88	-126	756	8	15	>10	135	28

Table 4

L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	3Q06	0.51	7.59	-98	649	14	16.42	18	90	27
	4Q06	0.04	7.37	-146.7	598	13	14.82	>20	150	25
	1Q07	0.2	6.80	-173.3	686	4.9	10.7	>20	140	23
	2Q07	0.18	7.07	-170	507	17	14.9	>20	145	24
	3Q07	0.1	7.15	-104.7	536	5.7	16.19	>20	170	30
	4Q07	0.26	6.59	-58.2	677	7.44	11.96	>20	160	20
	1Q08	0.01	6.81	-100.2	400.2	6	10.31	12	135	20
	2Q08 3Q08	0.2 0.21	6.65 7.34	-4.8 -136	593 530	7.75 10	12.99	>10 >20	170 170	35 23
	3Q08 4Q08	0.21	7.34	-68	442	8.81	14.94 14.23	>20	160	<100
	1Q09	0.04	7.28	-34	548	7.67	11.19	>20	150	25
	2Q09	0.15	6.35	-29.1	407	20	9.97	>20	100	60
	3Q09	0.52	7.88	-96	1007	4	13.70	20	50	50
	4Q09	0.13	8.43	-146	828	26	13.21	20	70	18
	.000	-								
MW-29s	2Q06	3.63	7.32	-32	1021	68	18.45	>10	260	95
	3Q06	0.36	6.73	-109.8	1090	10	20.63	18	310	80
	4Q06	0.05	6.85	-97.9	775	11	17.04	>10	350	65
	1Q07	0.7	6.53	-163.9	902	5.6	8.77	18	240	30
	2Q07	4.03	6.71	-113.8	766	31	18.48	>10	225	25
	3Q07	0.7	6.66	-13.9	881	9.84	21.12	>20	325	100
	4Q07	0.2	7.12	-35	960	8	13.51	>20	285	75
	1Q08	0.21	7.02	-94	1027	9.92	7.87	>10	290	22
	2Q08	0.27	6.89	31.2	935	5.9	12.22	>20	250	70
	3Q08	0.08	6.61	-79.7	456	8.09	20.04	>10	300	130
	4Q08	0.09	6.91	-127	798	6	17.6	>20	250	36
	1Q09	1.14	6.72	62.8	564	6.78	9.00	20	200	50
	2Q09	0.05	7.09	-89.7	578	8	9.13	>20	350	70
	3Q09	0.07	6.47	-115.1	922	9.51	17.91	>20	250	80
	4Q09	0.21	7.85	-99	837	4	16.00	>20	220	90
MW-30s	2Q06	0.14	6.76	-180	672	34	16.81	>10	78	14
	3Q06	0.39	5.66	73.1	704	155	18.9	18	60	250
	4Q06	0.01	7.09	-146.1	627	94	13.46	>20	200	60
	1Q07 2Q07	NS-frozen 0.34	NS-frozen 6.99	NS-frozen -159.4	NS-frozen 458	NS-frozen 213	NS-frozen 18.55	NS-frozen >20	NS-frozen 225	NS-frozen 40
	3Q07	0.34	7.05	-139.4	696	100	19.15	>20	230	37
	3Q07 4Q07	0.8	7.05	-120.7	871	67	7.74	>20	200	43
	1Q08	0.0	7.43	-158	825	113	4.85	>20	NM - sediment	NM - sediment
	2Q08	0.12	7.49	-47.6	484	9.42	11.43	18	160	22.5
	3Q08	0.03	6.93	-128.1	378	11.2	19.06	>10	200	70
	4Q08	0.05	6.66	-2.3	468	9.65	12.93	>20	50	20
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.17	6.94	-238	956	9.47	7.67	+20	80	40
	3Q09	0.06	6.93	-118.2	724	9.5	18.26	>20	225	50
	4Q09	0.14	8.57	-151	906	9	12.18	>20	70	25
MW-30i	2Q06	0.33	7.70	-194	687	8	15.22	5.5	75	19
	3Q06	0.43	7.52	-63	777	9	17.13	18	180	32
	4Q06	0.2	7.16	-144.2	827	42	14.2	>10	>1000	45
	1Q07	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q07	0.33	6.99	-146.8	486	41	15.23	>20	145	25
				400	661	NINA mater benefit a	17.07	>20	200	29
	3Q07	0.4	7.08	-19.8		NM-mtr broke				_
	4Q07	1	7.39	-15	889	136	8.28	>20	200	24
	4Q07 1Q08	1 0.13	7.39 6.7	-15 -149	889 784	136 9.98	8.28 8.55	>20	150	18
	4Q07 1Q08 2Q08	1 0.13 0.08	7.39 6.7 7.29	-15 -149 -142	889 784 581	136 9.98 21	8.28 8.55 12.28	>20 16	150 140	18 26
	4Q07 1Q08 2Q08 3Q08	1 0.13 0.08 0.04	7.39 6.7 7.29 73.11	-15 -149 -142 -136.0	889 784 581 552	136 9.98 21 8.56	8.28 8.55 12.28 16.62	>20 16 >10	150 140 180	18 26 50
	4Q07 1Q08 2Q08 3Q08 4Q08	1 0.13 0.08 0.04 0.3	7.39 6.7 7.29 73.11 7.43	-15 -149 -142 -136.0 -133	889 784 581 552 715	136 9.98 21 8.56 6	8.28 8.55 12.28 16.62 13.57	>20 16 >10 >20	150 140 180 165	18 26 50 27
	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09	1 0.13 0.08 0.04 0.3 NS-frozen	7.39 6.7 7.29 73.11 7.43 NS-frozen	-15 -149 -142 -136.0 -133 NS-frozen	889 784 581 552 715 NS-frozen	136 9.98 21 8.56 6 NS-frozen	8.28 8.55 12.28 16.62 13.57 NS-frozen	>20 16 >10 >20 NS-frozen	150 140 180 165 NS-frozen	18 26 50 27 NS-frozen
	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73	-15 -149 -142 -136.0 -133 NS-frozen -222	889 784 581 552 715 NS-frozen 930	136 9.98 21 8.56 6 NS-frozen 5.7	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75	>20 16 >10 >20 NS-frozen 20	150 140 180 165 NS-frozen 50	18 26 50 27 NS-frozen 32
	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2	889 784 581 552 715 NS-frozen 930 682	136 9.98 21 8.56 6 NS-frozen 5.7 9.62	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86	>20 16 >10 >20 NS-frozen 20 18	150 140 180 165 NS-frozen 50 180	18 26 50 27 NS-frozen 32 50
	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73	-15 -149 -142 -136.0 -133 NS-frozen -222	889 784 581 552 715 NS-frozen 930	136 9.98 21 8.56 6 NS-frozen 5.7	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75	>20 16 >10 >20 NS-frozen 20	150 140 180 165 NS-frozen 50	18 26 50 27 NS-frozen 32
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148	889 784 581 552 715 NS-frozen 930 682 878	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95	>20 16 >10 >20 NS-frozen 20 18	150 140 180 165 NS-frozen 50 180	18 26 50 27 NS-frozen 32 50
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148	889 784 581 552 715 NS-frozen 930 682 878	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95	>20 16 >10 >20 NS-frozen 20 18 14	150 140 180 165 NS-frozen 50 180 100	18 26 50 27 NS-frozen 32 50 18
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44	889 784 581 552 715 NS-frozen 930 682 878	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95	>20 16 >10 >20 NS-frozen 20 18 14	150 140 180 165 NS-frozen 50 180 100	18 26 50 27 NS-frozen 32 50 18
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99	889 784 581 552 715 NS-frozen 930 682 878 449 458	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5	150 140 180 165 NS-frozen 50 180 100 100 70 130	18 26 50 27 NS-frozen 32 50 18 30 70
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06 1Q07	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen	150 140 180 165 NS-frozen 50 180 100 100 70 130 NS-frozen	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 4Q09	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1 0.3 2.49 0.18 NS-frozen	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen 7.03	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen -95.7	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen 340	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen 69	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen 14.51	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen 3.5	150 140 180 165 NS-frozen 50 180 100 100 70 130 NS-frozen 115	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1 0.3 2.49 0.18 NS-frozen	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen 7.03 7.24	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen -95.7 22.6	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen 340 401	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen 69 NM-mtr broke	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen 14.51 14.73	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen 3.5 3	150 140 180 165 NS-frozen 50 180 100 100 70 130 NS-frozen 115	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen 12
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1 0.3 2.49 0.18 NS-frozen 0.38 0.8	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen 7.03 7.24 7.05	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen -95.7 22.6 128	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen 340 401	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen 69 NM-mtr broke 80	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen 14.51 14.73 10.02	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen 3.5 3 0.4	150 140 180 165 NS-frozen 50 180 100 70 130 NS-frozen 115 130	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen 12 13 <10
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07	1 0.13 0.08 0.04 0.3 NS-frozen 0.05 0.1 0.3 2.49 0.18 NS-frozen 0.3 0.18	7.39 6.7 7.29 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen 7.03 7.04 7.05 6.8	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen -95.7 22.6 128 1	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen 340 401 500 487	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen 69 NM-mtr broke 80 16.3	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen 14.51 14.73 10.02 9.19	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen 3.5 3 0.4 1.5	150 140 180 165 NS-frozen 50 180 100 70 130 NS-frozen 115 130 100	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen 12 13 <10 <10
MW-30d	4Q07 1Q08 2Q08 3Q08 4Q08 1Q09 2Q09 3Q09 4Q09 2Q06 3Q06 4Q06 1Q07 2Q07 3Q07 4Q07	1 0.13 0.08 0.04 0.3 NS-frozen 0.32 0.05 0.1 0.3 2.49 0.18 NS-frozen 0.38 0.8	7.39 6.7 7.29 73.11 7.43 NS-frozen 6.73 7.06 8.46 5.35 7 7.29 NS-frozen 7.03 7.24 7.05	-15 -149 -142 -136.0 -133 NS-frozen -222 -143.2 -148 -131 -44 -99 NS-frozen -95.7 22.6 128	889 784 581 552 715 NS-frozen 930 682 878 449 458 637 NS-frozen 340 401	136 9.98 21 8.56 6 NS-frozen 5.7 9.62 20 10 15 33 NS-frozen 69 NM-mtr broke 80	8.28 8.55 12.28 16.62 13.57 NS-frozen 8.75 15.86 12.95 14.45 15.07 13.39 NS-frozen 14.51 14.73 10.02	>20 16 >10 >20 NS-frozen 20 18 14 2 2.5 5 NS-frozen 3.5 3 0.4	150 140 180 165 NS-frozen 50 180 100 70 130 NS-frozen 115 130	18 26 50 27 NS-frozen 32 50 18 30 70 17 NS-frozen 12 13 <10

Table 4

L.E.Carpenter and Company, Borough of Wharton, Morris County, New Jersey Quarterly Groundwater Monitoring MNA Field Data

Well ID	Event	DO (mg/L)	рН	ORP (mV)	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°C)	Ferrous Iron (ppm)	Alkalinity (ppm)	CO2 (mg/L)
	1Q09	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen	NS-frozen
	2Q09	0.18	7.03	-197	608	14	10.87	3	80	13
	3Q09	0.22	7.19	-110	450	14.5	13.79	2	130	13
	4Q09	0.18	8.68	-119	635	9	12.61	2	50	11
MW-31s	2Q08	0.51	12.47	-192	1,499	>1000	15.74	1	225	0
	3Q08	0.97	6.54	-27	2,130	381	21.79	4.5	1000	400
	4Q08	0.16	8.13	34.7	488	7.64	12.99	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.43	10.98	71	567	15	5.45	0.1	200	0
	2Q09	0.16	8.68	-127.6	540	28	6.61	0.4	225	18
	3Q09	0.24	10.67	-144.1	795	6.22	18.68	0.5	170	NM-No Water
	4Q09	0.54	9.03	-72	1019	37	13.41	>20	100	NM-No Water
MW-32s	2Q08	0.33	6.9	-86	1,105	109	12.11	NM-No Water	NM-No Water	NM-No Water
IIIV-023	3Q08	0.07	6.47	-149.6	1,169	15.9	22.56	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.41	6.68	-20.4	799	14	14.72	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.32	6.94	42.1	665	8	5.60	NM-No Water	NM-No Water	NM-No Water
	2Q09	0.29	6.61	-132.8	659	12	6.62	>20	250	80
	3Q09	0.19	6.63	-111.4	952	5.17	18.70	>20	500	100
	4Q09	0.3	7.77	-53	1276	169	13.04	NM-No Water	NM-No Water	NM-No Water
	1900	0.0	7.77	- 00	1210	100	10.01	14W 140 Water	THIS IND WATER	14W 140 Water
MW-33s	2Q08	0.77	7.29	-74	650	682	12.98	18	180	70
	3Q08	2.55	6.06	NM	616	148	26.4	>20	310	200
	4Q08	0.21	6.44	5.7	607	14	13.1	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.37	5.2	168.5	567	38	5.29	>20	225	60
	2Q09	0.61	6.79	-39.4	577	38.6	5.86	>20	350	80
	3Q09	0.18	6.56	-82.7	1226	16.9	17.63	>20	500	150
	4Q09	2.96	7.79	-46	1381	314	14.13	>20	400	35
MW-34s	2Q08	0.51	7.01	-111	794	7	14.84	NM-No Water	NM-No Water	NM-No Water
WW-345	3Q08	0.51	6.4	-136.3	1240	12.1	20.19	NM-No Water	NM-No Water	NM-No Water
	4Q08	0.13	6.62	50.7	686	13.5	14.83	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.48	7.33	23.9	557	9	5.90	NM-No Water	NM-No Water	NM-No Water
	2Q09	0.44	7.32	-82.5	488	10	6.57	8	300	30
	3Q09	0.36	6.51	-89	761	6.08	17.40	NM-No Water	NM-No Water	NM-No Water
	4Q09	2.72	7.66	-30	966	31	13.15	NM-No Water		
	400	2.12	7.00	-30	900	31	13.13	NIVI-NO Water	INIVI-INO Water	NIVI-NO Water
MW-35s	2Q08	0.37	6.78	-56	917	>1000	11.51	>20	310	70
	3Q08	1.5	6.35	-55	736	65	19.23	>20	260	50
	4Q08	1.35	6.87	-30.2	848	38.5	14.18	NM-No Water	NM-No Water	NM-No Water
	1Q09	0.15	7.28	3.3	607	59	5.81	>20	225	30
	2Q09	0.21	7.36	-121.9	683	53	6.40	>20	300	30
	3Q09	0.2	6.65	-108.2	896	22.2	17.49	>20	275	80
	4Q09	3.69	8.14	-56	1109	29	13.15	>20	350	30

Notes:

As mentioned in January 13, 2005 letter, only the MW-19 Hotspot wells will be sampled for MNA parameters due to the implementation of Source Reduction on the L.E. Carpenter property effective 1Q05.

Groundwater monitoring wells MW-19, MW-19-1, MW-19-2, MW-19-3, MW-19-4, MW-19-5, MW-19-6, MW-19-7, MW-19-10, MW-19-11, GEI-2S, and GEI-2I were abandoned in October 2009.

NS = Not Sampled

NM = Not Measured

^{**} Additional field MNA parameters not required for MW-19-9D.

⁽¹⁾ Laboratory analyzed for alkalinity due to destroyed field kits.

^L Lower Grab Sample

Upper Grab Sample

 $^{^{\}star}$ Well was not stabalized due to well going dry.

Table 5 THROUGH L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

	ANALYTICAL PARAMETERS												
MONITORING WELLS	SAMPLE DATE	E DATE QUARTER		Benzene ug/l		Ethylbenzene ug/l		Toluene ug/l		Total Xylenes		bis-2- Ethylhexylphthalate (DEHP)	
	UNITS		ug/l								ug/l		
APPLICABLE BACKGROUND CONCEN 6). CONCENTRATION AT OR BELOW N.J.A.C		•	1		1		5		3		1.3		
SW-D-1		(1,71											
*	8-Apr-05	2Q05	<	0.2	<	0.20	<	0.20	<	0.60	<	1.00	
	26-Jul-05	3Q05	<	0.2	<	0.2	J	0.5	<	0.6	<	1.0	
	26-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0	
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0	
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0	
	11-Sep-06	3Q06	<	0.2	<	0.2	J	0.2	<	0.6	J	11.0	
	9-Nov-06	4Q06		0.2	<	0.2	<	0.2	<	0.6	<	0.9	
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0	
	25-Jun-07	2Q07		1.0	<	1.0	<	5.0	<	3.0	<	1.0	
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	— `	7.3	
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0	
Dilution factor for DEHP 1.18	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<u> </u>	4.9	<	1.2	
Dilution factor for DEHP 1.18 Dilution factor for DEHP 1.03	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0	
Dilution factor for DEHP 1.33	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.3	
Dilution factor for DEFF 1.33	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9	
	12-Jan-09	1Q09		0.2		0.8		0.8		0.0		12.0	
		2Q09	<	0.9	<	0.8	<		<	0.9	J	2.0	
	6-Apr-09 21-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0	
			<		<		<		<		_		
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0	
SW-D-2													
	8-Apr-05	2Q05		NS		NS		NS		NS		NS	
	26-Jul-05	3Q05	<	0.2	J	0.5	<	0.2		6.1		38.0	
	26-Oct-05	4Q05	<	0.2	J	0.6	<	0.2	J	2.0	<	1.0	
	27-Feb-06	1Q06	<	0.2	J	8.0	<	0.2	J	2.7		27.0	
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0	
	19-Jun-06	2Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0	
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0	
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0	
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		11.0	
	25-Jun-07 10-Sep-07	2Q07 3Q07	<	1.0 1.0	<	1.0 1.0	<	5.0 5.0	<	3.0	<	1.0 3.0	
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.5	
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	_	4.4	<	1.1	
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2	
	21-Jul-08	3Q08		1.0	<	1.0	<	5.0	<	3.0		7.1	
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6		13.0	
Dilution factor for DEHP 5	12-Jan-09	1Q09	<	0.9	<	8.0	<	8.0	<	0.9		230.0	
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	1.0	
	6-Apr-09	2Q09D	<	0.9	<	8.0	<	0.8	<	0.9	J	1.0	
	21-Jul-09	3Q09	<	0.9	<	8.0	<	8.0	<	0.9	J	4.0	
	10-Nov-09 10-Nov-09	4Q09 4Q09D	<	0.9	<	0.8	<	0.8 0.8	<	0.9	J	2.0 5.0	
	10-1107-09	44030	<	0.8	<	0.0	<	0.0	_	0.8	J	3.0	
SW-D-3													
	8-Apr-05	2Q05	<	0.2		21.0	<	0.2		79.0	J	2.0	
	26-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	J	1.1	J	7.0	
	26-Oct-05	4Q05	<	0.2	J	0.4	<	0.2	J	1.4	٧	1.0	
	27-Feb-06	1Q06	<	0.2		1.1	<	0.2		3.9	J	6.0	

Table 5 THROUGH L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

				,	ANALY	TICAL PARAI	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER	ı	Benzene	Eth	nylbenzene		Toluene	То	tal Xylenes	Ethy	bis-2- ylhexylphthalate (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	•		1		1		5		3		1.3
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	11-Sep-06	3Q06D	<	0.2	<	0.2	<	0.2	<	0.6	J	3.0
	9-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.3
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	· <	1.0	<	1.0	<	5.0	<	3.0		1.6
Dilution factor for DEHP 1.1	4-Dec-07	4Q07		1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		3.8	<	1.0
	18-Feb-08	1Q08D	<	1.0	<	1.0	<	5.0		3.8	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	· <	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	'	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	·	0.9	<	0.8	<	0.8	<	0.9		14.0
	6-Apr-09	2Q09	` <	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	21-Jul-09	3Q09	` '	0.9	<	0.8	<	0.8	<	0.9	J	1.0
	10-Nov-09	4Q09	'	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-1100-03	7000	'	0.5		0.0	_	0.0	_	0.3	_	1.0
SW-D-4												
344-0-4	20-Jun-06	2Q06	<	0.2	<	0.2	J	0.4	<	0.6	J	3.0
		3Q06		0.2		0.2		0.4		0.6	J	2.0
	11-Sep-06 9-Nov-06	4Q06	<	0.2	/ J	0.2	<	0.2	< J	0.6		0.9
			<		J		<		J		<	
	7-Feb-07	1Q07	<	1.0		2.0	<	5.0		3.8		3.3
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.0
	4-Dec-07	4Q07	<	1.0		1.4	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.08	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0		4.1	<	1.1
Dilution factor for DEHP 1.08	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08 27-Oct-08	3Q08 4Q08	<	1.0 0.2	<	1.0 0.2	<	5.0 0.2	<	0.6	_	9.2 0.9
	12-Jan-09	1Q09	<	0.2	_	21.0	<	0.8	_	20.0	<	29.0
	6-Apr-09	2Q09	'	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	20-Jul-09	3Q09D	<	0.9	<	0.8	<	0.8	<	0.9	J	2.0
	10-Nov-09	4Q09	'	0.9	<	0.8	<	0.8	<	0.9	J	1.0
SW-D-5												
	11-Sep-06	3Q06	٧	0.2	<	0.2	<	0.2	<	0.6	J	10.0
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	0.8	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.4
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.1	3-Dec-07	4Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.03	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	'	0.2	<	0.2	<	0.2	<	0.6	J	4.0
	12-Jan-09	1Q09	>	0.9	<	8.0	<	0.8	<	0.9	J	2.0
	6-Apr-09	2Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	0.9

Table 5

L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

				ı	ANALY	TICAL PARA	METER	s				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Eti	nylbenzene		Toluene	Tot	tal Xylenes	Ethy	bis-2- ylhexylphthalate (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	•		1		1		5		3		1.3
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
DRC-2												
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.5	<	0.2	J	1.9	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08 12-Jan-09	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Apr-09	1Q09 2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0 1.0
	20-Jul-09	3Q09		0.9	<	0.8	<	0.8	<	0.9	<	0.9
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
SW-R-1												
	20-Apr-05 ⁽¹⁾	2Q05	<	0.2		17.0	J	0.8		99.0	J	2.0
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	J	1.0
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	27-Feb-06	1Q06	<	0.2	J	0.3	<	0.2	J	1.4	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	J	0.2	<	0.2	J	1.1	<	1.0
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		1.3
	3-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	٧	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0		1.2	٧	5.0		5.9	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	8.0	<	0.9	<	0.9
SW-R-2												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-05	4Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	J	0.5	<	0.2	J	2.3	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06D	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5 THROUGH L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

				ı	NALY	TICAL PARAI	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Etl	nylbenzene		Toluene	Tot	tal Xylenes	Ethy	bis-2- /lhexylphthalate (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	•		1		1		5		3		1.3
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<u>`</u>	1.0	<	1.0	<	5.0	<	3.0		1.7
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08		1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.14	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	8.0	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	8.0	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	0.9
SW-R-3												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	\	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	J	2.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.0
	25-Jun-07	2Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		3.9
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilution factor for DEHP 1.05	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.25	5-May-08	2Q08D 3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
Dilution factor for DEHP 10	21-Jul-08 21-Jul-08	3Q08 3Q08R	<	1.0 NA	<	1.0 NA	<	5.0 NA	<	3.0 NA		150 26
	15-Aug-08	3Q08 ⁽²⁾		1.0	<	1.0	<	5.0	<	3.0	<	1.0
		3Q08 ⁽³⁾	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	15-Aug-08 27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Oct-08	4Q08D	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	12-Jan-09	1Q09D	<	0.9	<	8.0	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	8.0	<	0.8	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
SW-R-4												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0		19.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5 THROUGH L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey Surface Water Monitoring Data

				ļ	NALY	TICAL PARAI	METER	S				
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Eth	nylbenzene		Toluene	Tot	al Xylenes	Ethy	bis-2- /lhexylphthalate (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR 6). CONCENTRATION	AT OR BELOW	•		1		1		5		3		1.3
Dilution factor for DEHP 1.11	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.1
Dilation ractor for DETII 1.11	5-May-08	2Q08		1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	21-Jul-08	3Q08D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	>	1.0
	12-Jan-09	1Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	1.0
	20-Jul-09	3Q09	<	0.9	<	0.8	<	8.0	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	0.9
SW-R-5												
	20-Apr-05	2Q05		NS		NS		NS		NS		NS
	25-Jul-05	3Q05	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	7-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	٧	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07D	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.18	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.2
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	8.0	<	0.9	/	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	8.0	<	0.9	<	0.9
	20-Jul-09	3Q09	<	0.9	<	8.0	<	8.0	<	0.9	<	1.0
	10-Nov-09	4Q09	<	0.9	<	8.0	<	0.8	<	0.9	<	1.0
SW-R-6												
	27-Feb-06	1Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	19-Jun-06	2Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	1.0
	11-Sep-06	3Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Nov-06	4Q06	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	6-Feb-07	1Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	25-Jun-07	2Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	10-Sep-07	3Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	4-Dec-07	4Q07	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
Dilution factor for DEHP 1.14	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	>	1.1
Dilution factor for DEHP 1.11	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	/	1.1
	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	<	0.6	<	0.9
	12-Jan-09	1Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	1.0
	6-Apr-09	2Q09	<	0.9	<	0.8	<	0.8	<	0.9	<	0.9
	20-Jul-09 10-Nov-09	3Q09 4Q09	<	0.9 0.9	<	0.8	<	0.8	<	0.9 0.9	<	0.9
RINSE BLANK RB-01	18-Feb-08	1Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0

Table 5

L.E. CARPENTER AND COMPANY (LEC) - Borough of Wharton, Morris County, New Jersey **Surface Water Monitoring Data**

		ANALYTICAL PARAMETERS										
MONITORING WELLS	SAMPLE DATE	QUARTER		Benzene	Etl	nylbenzene		Toluene	To	tal Xylenes	Ethy	bis-2- ylhexylphthalate (DEHP)
		UNITS		ug/l		ug/l		ug/l		ug/l		ug/l
APPLICABLE BACKGR	OUND CONCEN	TRATION (SW-R-										
6). CONCENTRATION				1		1		5		3		1.3
	N.J.A.C	C. 7:9B-1.5 (d)6iii										
RB-01	5-May-08	2Q08	<	1.0	<	1.0	<	5.0	<	3.0	<	1.0
RB-01	21-Jul-08	3Q08	<	1.0	<	1.0	<	5.0	٧	3.0	<	1.0
RB-01	27-Oct-08	4Q08	<	0.2	<	0.2	<	0.2	۸	0.6	<	0.9
RB-01	10-Nov-09	4Q09	<	0.9	<	0.8	<	0.8	٧	0.9	<	1.0

ug/L = micrograms per liter

Surface Water Quality Standard Reference: N.J.A.C 7:9B October 2006.

(Dover) - Washington Pond outlet downstream to Rt. 46 bridge Cat 1 FW2-TM(C1)

LEGEND

NA = Not Applicable

NS = Not Sampled

D = Duplicate sample

R = Sample was re-run by the laboratory

Concentration exceeds NJSWQS

38.0

B: Analyte also detected in blank

- J: Estimated value. Value is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)
- * = Detection limit is elevated due to interference from other parameter detections. Laboratory will be contacted to lower benzene detection limit to be below the NJSWQS.

I:\WPGRM\PJT\00-06527\40\4Q09\Table 5.xlsn

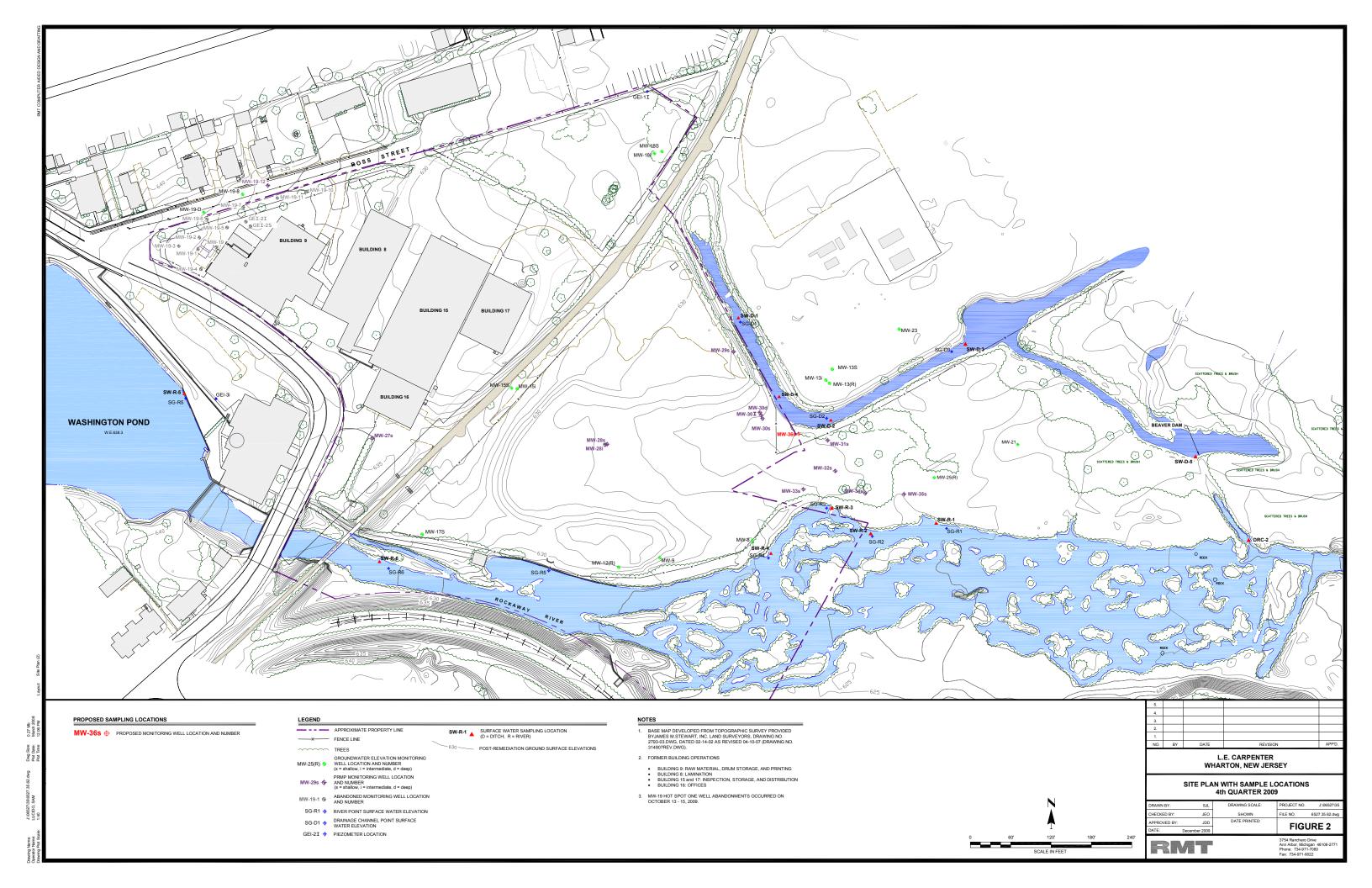
Does on the control of the five river sample was collected near the edge of the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river immediately adjacent to the location of absorbent booms that were placed in order to prevent any migration into the river of sheen observed on top of quiescent water ponded within the wetland area. Due to bottle mislabeling and laboratory error, each of the five river sample bottles (R-1 through R-5) were analyzed individually instead of as a whole set. The highest concentration detected in any of the five laboratory results for the river sample are listed under SW-R-1 for April 2005.

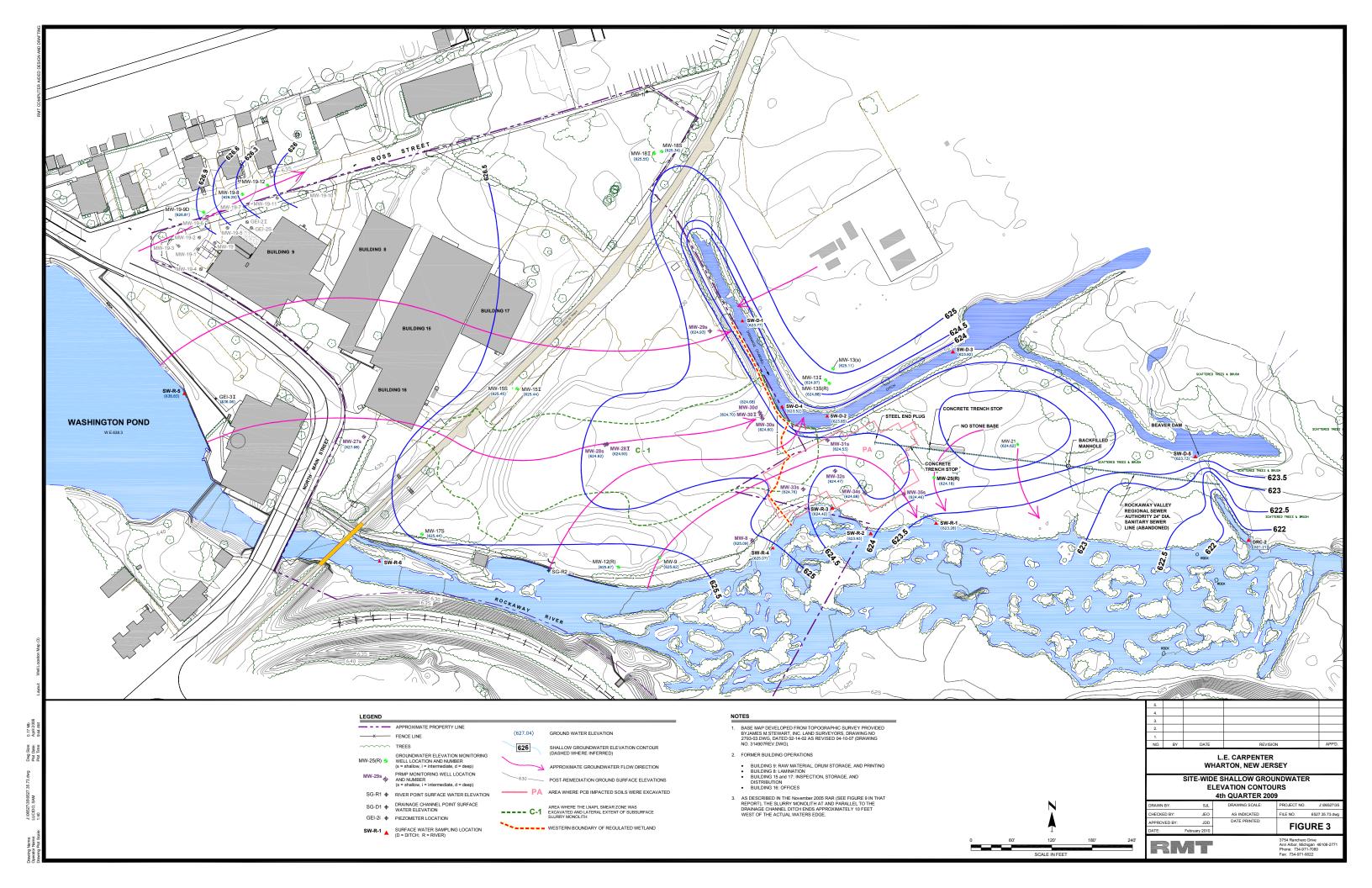
(2) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample alaquot was split between two labs. These results are from Environmental

Science Corporation (ESC).

(3) Due to believed lab contamination of the original sample, surface water location SW-R-3 was resampled and the sample aliaquot was split between two labs. These results are from Lancaster Laboratories (Lancaster).

Figures





Appendix A MW19HS1 Well Abandonment Records

WR 020

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

MAIL TO: Bureau of Water Systems & Well P PO Box 426 Trenton, NJ 08625-0426	_		of well sealed
		DATE WELL SEALED	
PROPERTY OWNER LE Corpent	er * (0		
ADDRESS 170 North Main 5+	Whorton	NT 07885	
WELL LOCATION 170 North Main Street & No., Towns	St, Who	ctor Boro, Mor	ris County
MW19-3 Well No.	<u>i</u>	Lot No.	Block No.
USE OF WELL PRIOR TO ABANDONMENT:_	Mor	iltoring	
REASON FOR ABANDONMENT:	Facility !	Demolition	
WAS A NEW WELL DRILLED? YES 🔼		PERMIT # OF NEV	
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISSION WELL:	Cross-section of sealed well	Draw a sketch showing distance nearest roads, buildings, etc. E Dewry Ross St August 371 August 371	Ave
Gallons of Water Lbs. of Cement Lbs. of Bentonite		AS-BUILT WELL LOCAT	
Lbs. of Bentonite Lbs. of Sand/Gravel (none if well is contaminated)	N.	NAS-BUILT WELL LOCA! (NAD 83 HORIZONTAL D. I STATE PLACE COORDINATE IN U	ATUM) ■ N
FORMATION: Consolidated Unconsolidated		THING: EASTIN OR OR LONGITU	
To permit adequate grouting, the casing should rer be removed. Pressure grouting is the only accepte	nain in place, but i d method.	ungrouted liner pipes or any othe	r obstructions must
WAS CASING LEFT IN PLACE? ☐ YES ☐	NO CASI	NG MATERIAL: _ らたいへ	kss Steel
WERE OTHER OBSTRUCTIONS LEFT IN WEI	LL? 🗆 YES 🔯	NO WHAT WERE THE OBST	RUCTIONS:
IF "YES", AUTHORIZATION GRANTED BY_	(NID)	ON EP Official)	(Date)
Was an alternative decommissioning method used			Pofficial? YES NO
IF "YES", authorization granted by	(NID)	EP Official)	ON
I certify that this well was sealed in accordance	e with N.J.A.C.		(Date)
Performing Work (Print or Type) Name of NJ Licensed Well Driller	W. H.	Address IV	MW450 805
Si	gnature of NJ Lice	ensed Well Driller Performing We	

OWR-020 9/05

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well P PO Box 426	J		LL PERMIT # 25-51954 of well sea
Trenton, NJ 08625-0426		DATE WELL SEALED	10/17/09
PROPERTY OWNER 1 E Corporter			
ADDRESS 170 North Main	St whor	ton NI 0789	35
WELL LOCATION 170 North Mail Street & No., Town	n St , Who ship, County	rton Boro, Mon	rris County
MN19-2		1	301
Well No.	1	Lot No.	Block No.
USE OF WELL PRIOR TO ABANDONMENT:		nitoring	
USE OF WELL PRIOR TO ABANDONMENT: REASON FOR ABANDONMENT:	Facility 1	Jemolition	
WAS A NEW WELL DRILLED? YES YES		PERMIT # OF NI	
TOTAL DEPTH OF WELL \(\sigma\)'	Cross-section		nce and relations of well site to
DIAMETER 4"	of sealed well	nearest roads, buildings, etc.	
DIAMETER 4" CASING LENGTH 8'	İ	F Dewen	
SCREEN LENGTH 10'		Z Rosss	
NUMBER OF CASINGS \		3 Russ S	\
MATERIAL USED TO DECOMMISSION WELL:		2 2055 S 551x \$ 35' Mw.19	_
Gallons of Water		'	
Lbs. of Cement		/	
5 Lbs. of Bentonite		AS-BUILT WELL LOC	ATION
Lbs. of Sand/Gravel	j	(NAD 83 HORIZONTAL 1	DATUM) ■ N
(none if well is contaminated)	N.	I STATE PLACE COORDINATE IN	US SURVEY FEET
,	NOR ²	THING: EAST	ING:
FORMATION: Consolidated		OR	
Unconsolidated	LATITUDE: 4	<u>2 54 '17 . Z"</u> LONGI	INDE: 7 7 37 44 · 0."
To permit adequate grouting, the casing should reache removed. Pressure grouting is the only accepted.	main in place, but ted method.	ungrouted liner pipes or any oth	ner obstructions must
WAS CASING LEFT IN PLACE? TYPES	lno casi	NG MATERIAL: らっぱい	less Steel
WERE OTHER OBSTRUCTIONS LEFT IN WE	LL? 🗆 YES 风 1	NO WHAT WERE THE OBS	TRUCTIONS:
IF "YES", AUTHORIZATION GRANTED BY_	(NID)	ON EP Official)	(Date)
Was an alternative decommissioning method used	and/or approval to	decommission granted by a Dl	(Date) EP official?
F "YES", authorization granted by	(AUD)		ON
certify that this well was sealed in accordance	(NJDI e with N T A C	EP Official) 7:9D-3 et seg	(Date)
William H. Deininger I		-)
Performing Work (Print or Type)	- ioi iexa	a Pd Mechanicsburg	<u>44 / 1050</u>
Name of NJ Licensed Well Driller	W Ml	Address	Mailing Date MW450805
		ensed Well Driller Performing V	Č
COPIES: White - Water Allocation	Yellow - Own	er – Pink - Health Dept. –	Goldenrod - Driller

DWR-02 9/05

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

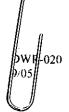
WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well P PO Box 426	ermitting	WEL	D PERMIT # <u>25-519</u> of well	
Trenton, NJ 08625-0426		DATE WELL SEALED	10/15/09	
PROPERTY OWNER LE Corpenter	. .			
ADDRESS 170 North Main	5t Whan	TO NY 07885		
WELL LOCATION 170 North Ma Street & No., Towns	ship, County	Marton Boro, Mo	iris County	
MW19-1			301	
Well No.		Lot No.	Block No.	
USE OF WELL PRIOR TO ABANDONMENT:_	Non	istaring		
USE OF WELL PRIOR TO ABANDONMENT: REASON FOR ABANDONMENT:	acility De	molition		
WAS A NEW WELL DRILLED? YES 🕱		PERMIT # OF NEV		
TOTAL DEPTH OF WELL \(\(\c)	Cross-section	Draw a sketch showing distant	ce and relations of well site to	0
DIAMETER ""	of sealed well	nearest roads, buildings, etc.		
CASING LENGTH 8'		/ E Devey A	<u>u</u> c	_
SCREEN LENGTH				.₽
NUMBER OF CASINGS	٠ -	Z \		· /
		2 POSS ST MW19-1	ر تحد	
MATERIAL USED TO DECOMMISSION WELL:		\$ 12 T 22,	5/	
☐ Gallons of Water		V MMId-1	TOTAL /	
Lbs. of Cement		1	4	
5 Lbs. of Bentonite		AS-BUILT WELL LOCAT	TION	
Lbs. of Sand/Gravel		(NAD 83 HORIZONTAL D		N
(none if well is contaminated)	N	J STATE PLACE COORDINATE IN U	JS SURVEY FEET	
(none if well is containfinated)	NOR'	THING: EASTIN	ıc.	l
FORMATION: Consolidated		OR DASTIN		
Unconsolidated	LATITUDE: 4	<u>0 5 4 ' 1 7</u> . <u>D</u> " LONGITU	JDE: <u>ユԿ 3爿 ゚ ሣリ</u> ・ロ	"
To permit adequate grouting, the casing should renote removed. Pressure grouting is the only accepted	nain in place, but	ungrouted liner pipes or any othe	r obstructions must	
WAS CASING LEFT IN PLACE? 🛛 YES 🔲	NO CASI	NG MATERIAL: Stainle	uss steel	<u>-</u>
WERE OTHER OBSTRUCTIONS LEFT IN WEI	L? DYES 🛛	NO WHAT WERE THE OBST	RUCTIONS:	
F "YES", AUTHORIZATION GRANTED BY	AID	ON		
Was an alternative decommissioning method used	and/or approval to	EP Official) decommission granted by a DEF	(Date) Pofficial?	
F "YES", authorization granted by			N	
certify that this well was sealed in accordance	(NJD) e with N.J.A.C.	EP Official) 7:9D-3 et seq.	(Date)	
William H. Weininger		co 20 Mechanics burg P	4170 50	
erforming Work (Print or Type)		Address —	Mailing Date	
lame of NJ Licensed Well Driller	WE 1.		MW450805	-
Sig	gnature of NJ Lice	ensed Well Driller Performing Wo	ork Registration #	
COPIES: White - Water Allocation	Yellow - Own	er Pink - Health Dept.	Goldenrod - Driller	

DV/R-020 9/15

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

MAIL TO: Bureau of Water Systems & Well P PO Box 426	ermitting	WELL	PERMIT # <u>25 · 3880</u> of well sea
Trenton, NJ 08625-0426		DATE WELL SEALED	10/14/09
PROPERTY OWNER LE Corponter			
ADDRESS 170 North Main	St Who	18810 IN NOT 1881	5
WELL LOCATION 170 North Ma	in St, wh ship, County	ortan Boro, Mor	ris County
<u>Mw-19</u> Well No.	I	Lot No.	Block No.
USE OF WELL PRIOR TO ABANDONMENT:_	Monis	Toring	
REASON FOR ABANDONMENT:	Facility	Demolition	
WAS A NEW WELL DRILLED? YES 🔀	NO	PERMIT # OF NEW	WELL
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISSION WELL: Gallons of Water Lbs. of Cement Lbs. of Bentonite Lbs. of Sand/Gravel (none if well is contaminated)	Cross-section of sealed well	Draw a sketch showing distance nearest roads, buildings, etc. E Oewey Ave 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ION 1 N
FORMATION: Consolidated Unconsolidated		THING: EASTING OR 2 <u>5 サ</u> ' <u>1 フ .1 </u> " LONGITU	· — —
To permit adequate grouting, the casing should rer be removed. Pressure grouting is the only accepte	nain in place, but u		
WAS CASING LEFT IN PLACE? DYES	NO CASI	NG MATERIAL: Stanle	55 Steel
WERE OTHER OBSTRUCTIONS LEFT IN WEI	LL? OYES 🗷	O WHAT WERE THE OBSTR	RUCTIONS:
IF "YES", AUTHORIZATION GRANTED BY	(NIIDI	ONON	
Was an alternative decommissioning method used	and/or approval to	decommission granted by a DEP	(Date) official? ☐YES ☐NO
F "YES", authorization granted by	QUID!	OI	
certify that this well was sealed in accordance	e with N.J.A.C. 7	EP Official) 7:9D-3 et seq. <u>.o. Rd MecNanicsburg PAY</u>	(Date)
Performing Work (Print or Type) Name of NJ Licensed Well Driller	WE A.	Address	MW450805
Signal William William Signal	gnature of NJ Lice	nsed Well Driller Performing Wo	rk Registration #



WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water System	ns & Well Permitting	WELL	PERMIT # <u>25000 64542</u> of well seale
PO Box 426 Trenton, NJ 08625-0420	6	DATE WELL SEALED	10/13/09
PROPERTY OWNER LE <			
ADDRESS 170 North	Main St Whar	18850 IN NO	,
WELL LOCATION 170 Noch	No., Township, County	rton Boro, Morri	s County
Well 1	\-\\ No.	Lot No.	Block No.
USE OF WELL PRIOR TO ABAND	ONMENT: Moni	toring	
REASON FOR ABANDONMENT:_	Facili	ty Demolition	
WAS A NEW WELL DRILLED?		PERMIT # OF NEV	
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISS. Gallons of Water Lbs. of Cement Lbs. of Bentonite Lbs. of Sand/Grave (none if well is con FORMATION: Consolidat Unconsolidat Unconsolidat Consolidat Consolida	taminated) NOR ted dated LATITUDE: —	Draw a sketch showing distance nearest roads, buildings, etc. E Dewey Av E Dewey Av AS-BUILT WELL LOCA (NAD 83 HORIZONTAL D I STATE PLACE GOORDINATE IN THING: OR D 5 4 1 8 2 " LONGIT ungrouted liner pipes or any other	TION IN NO SURVEY FEET NG: UDE: 1434'41.0"
WAS CASING LEFT IN PLACE?		ING MATERIAL: うたいへ	ess Steel
WERE OTHER OBSTRUCTIONS L	•	-	
IF "YES", AUTHORIZATION GRAI		ON	
Was an alternative decommissioning		DEP Official) o decommission granted by a DE	(Date) EP official? □YES □NO
IF "YES", authorization granted by _	At •		ON
I certify that this well was sealed i	n accordance with N.J.A.C.	aco Rd Mechanics burg PA	(Date)
Performing Work (Print or Type) V Name of NJ Licensed Well Driller	Lit H.	Address censed Well Driller Performing W	MW 450 8 0 5

COPIES: White - Water Allocation

Yellow - Owner

Pink - Health Dept.

0WV-020 9/05

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL ABANDONMENT REPORT

PO Box 426 Trenton, NJ 08625-0426 DATE WELL SEALED 10/13/09 PROPERTY OWNER LE Corpenter 1 Co ADDRESS 170 North Main St Wharton NT WELL LOCATION 170 North Main St, Wharton NT WELL LOCATION 170 North Main St, Wharton Boro, Morris County Street & No., Township, County MW19-10 1 301 Well No. Lot No. Block No. USE OF WELL PRIOR TO ABANDONMENT: Manitoring REASON FOR ABANDONMENT: Facility Demolition WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL TOTAL DEPTH OF WELL Cross-section Draw a sketch showing distance and relations of well	37017
PROPERTY OWNER LF Carpenter 1 Co ADDRESS 170 North Main St Wharton NT WELL LOCATION 170 North Main St Wharton Boro, Morris County Street & No., Township, County MW19-10 1 301 Well No. Lot No. Block No. USE OF WELL PRIOR TO ABANDONMENT: Monitoring REASON FOR ABANDONMENT: Facility Demolition WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Prays a sketch showing distance and solutions for the section of the second solutions of the sec	
WELL LOCATION 170 North Main St., wharton Boro, Morris County Street & No., Township, County MW19-10 1 301 Well No. Lot No. Block No. USE OF WELL PRIOR TO ABANDONMENT: Manitoring REASON FOR ABANDONMENT: Facility Demolition WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Draw a sketch showing distance and solutions of	
Well No. USE OF WELL PRIOR TO ABANDONMENT: REASON FOR ABANDONMENT: WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Draw a sketch showing distance and relations of	
Well No. Lot No. Block No. USE OF WELL PRIOR TO ABANDONMENT: REASON FOR ABANDONMENT: WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Draw a sketch showing distance and relations of relations.	1
WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Draw a sketch showing distance and relations of well	_
WAS A NEW WELL DRILLED? YES NO PERMIT # OF NEW WELL Cross-section Draw a sketch showing distance and relations of well	
Cross-section Draw a skatch showing distance and relations of male	
Cross-section Draw a sketch showing distance and relations of well	
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISSION WELL: 20 10 10 10 20 10 10 20 10 10	
I be of Sand/Gravel (NAD 83 HORIZONTAL DATUM)	1 N
(none if well is contaminated) FORMATION: Consolidated Unconsolidated LATITUDE: NJ STATE PLACE COORDINATE IN US SURVEY FEET NORTHING: 75 9625 EASTING: 470590 CR LATITUDE: LATITUDE: LATITUDE: LATITUDE: NJ STATE PLACE COORDINATE IN US SURVEY FEET NORTHING: 75 9625 EASTING: 470590	·
To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.	
WAS CASING LEFT IN PLACE? TYES NO CASING MATERIAL: Stainless Steel	
WERE OTHER OBSTRUCTIONS LEFT IN WELL? YES NO WHAT WERE THE OBSTRUCTIONS:	·
F "YES", AUTHORIZATION GRANTED BYONON	
(NJDEP Official) (Date) Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? YES	Jno
F "YES", authorization granted byON	
(NJDEP Official) (Date) certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 et seq. William H. Deininger The No. 107 Texaco Road Mechanics Long PA 17050	
Verforming Work (Print or Type) Name of NJ Licensed Well Driller Signature of NJ Licensed Well Driller Performing Work Registr	

COPIES: White - Water Allocation

Yellow - Owner

Pink - Health Dept.

DWk-020

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well P PO Box 426	ermitting WELL PERMIT # 75-55285 of well sea
Trenton, NJ 08625-0426	DATE WELL SEALED 10/13/09
PROPERTY OWNER LE Carpentes	
ADDRESS 170 North Main S	+ Wharton NJ 07885
WELL LOCATION 170 North Street & No., Towns	Main St, Wharton Boro, Morris County
<u>Mw 19-7</u> Well No.	Lot No. Block No.
USE OF WELL PRIOR TO ABANDONMENT:_	Monitoring
REASON FOR ABANDONMENT:	Facility Demolition
WAS A NEW WELL DRILLED? 口 YES 图	NO PERMIT # OF NEW WELL
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH	Cross-section of sealed well Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.
CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS 1	Ser of the series of the serie
MATERIAL USED TO DECOMMISSION WELL:	3. Rass st
Gallons of Water Lbs. of Cement	
Lbs. of Bentonite Lbs. of Sand/Gravel (none if well is contaminated)	AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM) NJ STATE PLACE COORDINATE IN US SURVEY FEET
FORMATION: Consolidated Unconsolidated	NORTHING: EASTING: OR LATITUDE: <u> </u>
To permit adequate grouting, the casing should remove removed. Pressure grouting is the only accepted	nain in place, but ungrouted liner pipes or any other obstructions must
WAS CASING LEFT IN PLACE? YES 🗀	NO CASING MATERIAL: Stainless Steel
WERE OTHER OBSTRUCTIONS LEFT IN WEL	LI? DYES NO WHAT WERE THE OBSTRUCTIONS:
F "YES", AUTHORIZATION GRANTED BY	(NJDEP Official) (Date)
Vas an alternative decommissioning method used a	and/or approval to decommission granted by a DEP official? TYES NO
F "YES", authorization granted by	ON
certify that this well was sealed in accordance	
Performing Work (Print or Type) Jame of NJ Licensed Well Driller	Address Wechanics burg PA17050 Mailing Date MW450805
Sig	gnature of NJ Eccessed Well Driller Performing Work Registration #

COPIES: White - Water Allocation

Yellow - Owner

Pink - Health Dept.

DWR-020 9/05

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

MAIL TO: Bureau of Water Systems & Well Pe PO Box 426	ermitting		WELL PERMIT #	25-51956 of well sea
		DATE WELL SEAL	ED 10/14	09
PROPERTY OWNER LE Carpentes				<u> </u>
ADDRESS 170 North Main				··· ··· ··· ··· ··· ··· ··· ··· ··· ··
WELL LOCATION 170 North Main Street & No., Towns	、Sヤ、WVor hip, County	ton Boro, M	erris Coun	+
<u> </u>	Lot	No.	<u> </u>	
USE OF WELL PRIOR TO ABANDONMENT:_	Monit	aring		
USE OF WELL PRIOR TO ABANDONMENT:	Facility Dem	- Nathila		
WAS A NEW WELL DRILLED? 🔲 YES 🔯			NEW WELL	
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISSION WELL: Gallons of Water 100 Lbs. of Cement Lbs. of Sand/Gravel (none if well is contaminated) FORMATION: Consolidated Unconsolidated To permit adequate grouting, the casing should remove the removed. Pressure grouting is the only accepted	NJ STANORTHIN LATITUDE: 40	AS-BUILT WELL L (NAD 83 HORIZONT ATE PLACE COORDINATI OR OR OR OR OUT OUT OUT OUT OUT OUT OUT OUT OUT OU	OCATION AL DATUM) E IN US SURVEY FI ASTING: NGITUDE: 7 4 3	↑ N EET <u>3 4'44.</u> 0"
WAS CASING LEFT IN PLACE? YES 🗷	NO CASING	MATERIAL: うる	in less S	teel
WERE OTHER OBSTRUCTIONS LEFT IN WEL	L? □YES ☒NO	WHAT WERE THE C	BSTRUCTIONS	·
F "YES", AUTHORIZATION GRANTED BY		ON		
Was an alternative decommissioning method used a	(NJDEP C and/or approval to dec	ommission granted by a	(Date) a DEP official?	□YES □NO
F "YES", authorization granted by	/**		ON	
certify that this well was sealed in accordance		D-3 et seq. 2) Mechanicsburg	PA 17050	(Date)
Name of NJ Licensed Well Driller	SE 11/1	Address Address Control of the con	N	Mailing Date 450 80 5
COPIES: White Wester Allegation		Preli Driller Performir	ig work	Registration #

DV/R-020 9/05

New Jersey Department of Environmental Protection Division of Water Supply - Bureau of Water Systems & Well Permitting

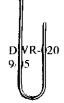
WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well P PO Box 426	ermitting WELL PERI	MIT # <u>15 -5528</u> of well seal
Trenton, NJ 08625-0426	DATE WELL SEALED	0 13 09
PROPERTY OWNER LE Carpente	r 1 (0	
ADDRESS 170 North Main S	+ Wharton NI 07885	
WELL LOCATION 170 North M Street & No., Towns	hip, County	County
Well No.	Lot No.	30\ Block No.
USE OF WELL PRIOR TO ABANDONMENT:_	Manitoring	
REASON FOR ABANDONMENT:	Facility Demolition	
WAS A NEW WELL DRILLED? YES YES	NO PERMIT # OF NEW WEI	LL
be removed. Pressure grouting is the only accepte		VEY FEET 1 4 3 4 4 4 3 8" uctions must
WAS CASING LEFT IN PLACE? XYES \(\bigcap\)		·-
WERE OTHER OBSTRUCTIONS LEFT IN WEI	L? Tyes Ano what were the obstruct	IONS:
IF "YES", AUTHORIZATION GRANTED BY	(NJDEP Official)	(D)
Was an alternative decommissioning method used	and/or approval to decommission granted by a DEP offici	(Date) al? □YES □NO
F "YES", authorization granted by	ON	
Certify that this well was sealed in accordance of NJ Licensed Well Driller	(NJDEP Official) e with N.J.A.C. 7:9D-3 et seq. 107 Texaco & Mechanicsburg & 1705 Address Gnature of NJ Licensed Well Driller Performing Work	MW 450 805
21	gnature of My Electisca well Driller Performing Work	Registration #

COPIES: White - Water Allocation

Yellow - Owner

Pink - Health Dept.



MAIL TO: Bureau of Water Systems & Well PO Box 426	C		D PERMIT # <u>25-34018</u> of well sea
Trenton, NJ 08625-0426		DATE WELL SEALED	10/13/09
PROPERTY OWNER LE Carpente	x * Co		
ADDRESS 170 North Main			
WELL LOCATION 170 North Mai	in 5t, who	orton Boro, Morri	s County
GET - Z I Well No.		Lot No.	301
			Block No.
USE OF WELL PRIOR TO ABANDONMENT:			
REASON FOR ABANDONMENT:	Facility 1	Demolition	
WAS A NEW WELL DRILLED? ☐ YES 🗷	NO	PERMIT # OF NEV	
TOTAL DEPTH OF WELL DIAMETER 25'	Cross-section of sealed well	Draw a sketch showing distant nearest roads, buildings, etc.	ee and relations of well site to
CASING LENGTH	1	E Dewey Av	
SCREEN LENGTH		1 E DEMAN	
NUMBER OF CASINGS V		3	
MATERIAL USED TO DECOMMISSION WELL:		2 2055 57 2055 57 135' (E) -	
Gallons of Water		1351 GEV - 3	27
78 Lbs. of Cement	}	l /	
Lbs. of Bentonite		AS-BUILT WELL LOCAT	CION
Lbs. of Sand/Gravel		(NAD 83 HORIZONTAL DA	ATUM) IN
(none if well is contaminated)	N.	J STATE PLACE COORDINATE IN U	IS SURVEY FEET
ŕ	NOR.	THING: EASTIN	ıc.
FORMATION: Consolidated		∩R	
Unconsolidated	LATITUDE: \(\frac{\fint}{\fint}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fint}{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fin}}}{\firigita}}}}}}}}}{\frac{\frac{\frac{\frac{\fir}{\firint}}}	<u> 5 4 ' 1 フ . 4 " LONGITU</u>	DE: 7 4 34 43 . 1"
To permit adequate grouting, the casing should re be removed. Pressure grouting is the only accepte	main in place, but i	ungrouted liner pipes or any other	obstructions must
WAS CASING LEFT IN PLACE? YES]NO CASI	NG MATERIAL: Showle	sto Steel Puc
WERE OTHER OBSTRUCTIONS LEFT IN WE	LL? 🛛 YES 🔯 1	NO WHAT WERE THE OBSTI	RUCTIONS:
F "YES", AUTHORIZATION GRANTED BY_		ON	
Was an alternative decommissioning method used	(NJD) and/or approval to	EP Official) decommission granted by a DEP	(Date) official? □YES □NO
F "YES", authorization granted by	iges	O	N
certify that this well was appled in any	(NJDI	EP Official)	(Date)
certify that this well was sealed in accordance		<u>-</u>	
William H. Deininger IL	107 Tex	aco Rd Mechanicsburg PA	417050_
erforming Work (Print or Type) lame of NJ Licensed Well Driller	LT 1. 1	Address	Mailing Date
Si	ignature of NJ Lice	nsed Well Driller Performing Wo	rk Registration #
COPIES: White - Water Allocation	Yellow - Owne		8



MAIL TO: Bureau of Water Systems & Wo PO Box 426 Trenton, NJ 08625-0426	DATE WELL SEALED 10/13/09
PROPERTY OWNER LE Carpe	
ADDRESS 170 North Mair	St. Whorton Boro, NJ 07885
WELL LOCATION 170 N Mair Street & No., To	ownship, County
GET Z-S Well No.	Lot No. Block No.
USE OF WELL PRIOR TO ABANDONMEN	VT: Monitoring
REASON FOR ABANDONMENT:	Egcility Demolition
WAS A NEW WELL DRILLED?	THE THE THE TENT OF THE TENT O
TOTAL DEPTH OF WELL DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS MATERIAL USED TO DECOMMISSION WE \[\begin{array}{c} \left\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AS-BUILT WELL LOCATION (NAD 83 HORIZONTAL DATUM) NJ STATE PLACE COORDINATE IN US SURVEY FEET NORTHING: OR LATITUDE: \(\frac{1}{2}\) \(\frac{5}{3}\) '\(\frac{1}{3}\) . \(\frac{3}{3}\) LONGITUDE: \(\frac{1}{3}\) \(\frac{3}{3}\) '\(\frac{1}{3}\). \(\frac{1}{3}\) '' Termain in place, but ungrouted liner pipes or any other obstructions must
WAS CASING LEFT IN PLACE? ☑ YES	James - Test TV
WERE OTHER OBSTRUCTIONS LEFT IN	WELL? □YES ☑NO WHAT WERE THE OBSTRUCTIONS:
IF "YES", AUTHORIZATION GRANTED BY	YON (NJDEP Official) (Date)
Was an alternative decommissioning method u	sed and/or approval to decommission granted by a DEP official? YES NO
F "YES", authorization granted by	ON
certify that this well was sealed in according to the control of the control of the certific that this well was sealed in according to the certific that the	(NJDEP Official) (Date) ance with N.J.A.C. 7:9D-3 et seq. 107 Texaco 28 Mechanics bucy (A 17050 Address Mailing Date MU 450805 Signature of NJ Licensed Well Driller Performing Work Registration #



MAIL TO: Bureau of Water Systems & Well 1	Permitting	WEL	L PERMIT # 25 52017
PO Box 426			of well sealed
Trenton, NJ 08625-0426		DATE WELL SEALED	10/13/09
PROPERTY OWNER LE Carpenter			
ADDRESS 170 North Main	St Whar	100 NT 0788	35
WELL LOCATION 170 North Main Street & No., Town	sinp, County	ton Boro, Morris	county
<u>NW19-5</u> Well No.		Lot No.	301 Block No.
USE OF WELL PRIOR TO ABANDONMENT:	Mon	boring	
REASON FOR ABANDONMENT:	Facility	Demolition	
WAS A NEW WELL DRILLED? ☐ YES 🏻		PERMIT # OF NE	
TOTAL DEPTH OF WELL DIAMETER 2"	Cross-section of sealed well	Draw a sketch showing distant nearest roads, buildings, etc.	ce and relations of well site to
CASING LENGTH		1 E Dewey	Ave
SCREEN LENGTH	ĺ	2	
NUMBER OF CASINGS		2000	
MATERIAL USED TO DECOMMISSION WELL:		20555 4 3 901 × 132 MW19-5	t Liet
		Mw19-5	HE /
Gallons of Water		5/	- Trai
50 Lbs. of Cement			
Lbs. of Bentonite		AS-BUILT WELL LOCAT	TION 🛕
Lbs. of Sand/Gravel	N	(NAD 83 HORIZONTAL D. STATE PLACE GOORDINATE IN U	ATUM) IN
(none if well is contaminated)	14.	STATE TEACE GOORDINATE IN (DS SURVEY FEET
CODMATION	NOR [*]	THING: EASTIN	lG:
FORMATION: Consolidated	1	OR	
Unconsolidated		<u>0 54 117.3" LONGITU</u>	
To permit adequate grouting, the casing should repose removed. Pressure grouting is the only accepted.	nain in place, but i d method.	ingrouted liner pipes or any othe	r obstructions must
WAS CASING LEFT IN PLACE? YES	NO CASI	NG MATERIAL: States	ss Steel PVC
WERE OTHER OBSTRUCTIONS LEFT IN WEI	LL? DYES 1	NO WHAT WERE THE OBST	RUCTIONS:
F "YES", AUTHORIZATION GRANTED BY	(ALITO)	ON	
Was an alternative decommissioning method used	and/or approval to	EP Official) decommission granted by a DEF	(Date) Pofficial? □YES □NO
F "YES", authorization granted by	· · · · · · · · · · · · · · · · · · ·		N
certify that this well was sealed in accordance	e with N.J.A.C.	<u>-</u>	(Date)
erforming Work (Print or Type)	JOT Texa	to Road Mechanicsburg F	
lame of NJ Licensed Well Driller	1/1/-11	/Address	Mailing Date
<u> </u>	gnature of NJ Lice	nsed Well Driller Performing Wo	MW450805
COPIES: White - Water Allocation	Yellow - Owne		· ·
	zonow - Owne	т пок-пешт Дері.	Goldenrod - Driller

Appendix B Field Data Forms



PROJECT NAME:	LE Carpenter
PROJECT NUMBER:	6527.35
PROJECT MANAGER:	J. Overvoorde
SITE LOCATION:	170 N. Main Street Wharton, NJ 07885
DATES OF FIELDWORK:	11/9/2009 TO 11/12/2009
PURPOSE OF FIELDWORK:	4Q09 Sampling Event
WORK PERFORMED BY:	-Scot Middlebrook- Scott PAWLLKiewicz

REVISED 03/2008

RMT

GENERAL NOTES

PROJECT NAME: LE	Carpenter	DATE: u	19/09	TIME ARRIVED: 1400
PROJECT NUMBER:	6527.35	AUTHOR:	Scot Middlebrook	TIME LEFT: 1800

			N	/EATHER	
TEMPERATURE: _	60 °F	WIND:	0-10	MPH	VISIBILITY: OUERCAST
		WO	RK/SAM	PLING P	ERFORMED
· PURBE	WETCANO	WELLS	[M	w-315,	, 325, 385, 345, 358J
* PURGE	MW-275	DRY.		•	, 325, 385, 345 , 358J
		a			
					,

PROBLEMS ENCOUNTERED	CORRECTIVE ACTION TAKEN

COMMUNICATION				
NAME	REPRESENTING	SUBJECT / COMMENTS		
J. OUERLOORDE	PENT	PROGRESS UPDATE.		
J. OUERLOORDE D. Comon	LEC	PROGRESS UPDATE. CHECK-IN AT SITE.		

S. Jankkeen; SIGNED

ulaloq DATE Demoode

11/23/09

CHECKED BY



GENERAL NOTES

	LE Carpenter	DATE:	11/10/09	TIM	ME ARRIVED: 06/5
PROJECT NUMBER: 6527.35			AUTHOR: Scot Middlebrook Scott / a www.isunce		1E LEFT: 1745
				<u> </u>	
	7. 4 . 17. 17.	WEATHE			
EMPERATURE: 50	°F WIND): <u>6-10 MPH</u>	VIS	SIBILITY:	YEAR.
		WORK / SAMPLING I	PERFORMED		
- COMPLETE	SITE-WIDE U	~L's.			
- COLLECT SUR	FACE WATER	SAMPLES : DR	16-02, 5w-1	o~5 , 51	w-R-1
3W-12-3,	SW-R-4, =	5W-D-4, 5W-	R-6, 5w-R	-5, 5w-	-b-3
- COLLECT SUR 3W-R-3 SW-D-Z	(Dup-01)	, 5W-D-1 , 5	14-R-Z	RB-01	· · · · · · · · · · · · · · · · · · ·
- 6W SAM	PLE: MW-	19-12 M	W-275 [2,5 L	glass]
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PROBLI	EMS ENCOUNTER	ED .	CORRE	CTIVE ACTION	ON TAKEN
				NOTE CONTRACTOR OF THE PROPERTY OF THE	

			100 100 100 100		
		COMMUNICA	TION		
NAME	REPRESENTING	COMMUNICA	A STATE OF THE STA	COMMENTS	
-	REPRESENTING		SUBJECT / C		
-	REPRESENTING PMT		A STATE OF THE STA		w issues.
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NAME J. O UE PLUSO PARE			SUBJECT / C		wissurs.

RMT

GENERAL NOTES

PROJECT NAME:	LE Carpenter	DATE: 41/1	1/09	TIME ARRIVED: 06/5
PROJECT NUMBER:	6527.35	AUTHOR: 5	Scot Middlebrook, PAW Wellewicz	TIME LEFT: /8/5
			ASSERTANCE TO THE SECOND SECON	en i Naciona de consequencia de consequencia de la consequencia della
		WEATHER		
TEMPERATURE: 45	°F WIND: 6	5-10 MPH	VISIBILITY	OUERCAST
		K / SAMPLING PER		
GW SAMPLE	: MW-Z7s	MW-29:	s (MS/MSD)	, MW-8,
ATM-01	MW-25 (R)	MW-301	D MW-30 L	MW-8, MW-305.
)		

PROBL	EMS ENCOUNTERED	A. (1915) 1. (2) 1. (2)	CORRECTIVE /	ACTION TAKEN
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	MA			
NAME	DEDDESENTING	COMMUNICATION	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
NAME	REPRESENTING	0	SUBJECT / COMMEN	TS and all the second s
J. OVERVOURDE	RMT	1 Rogress	Uppate	

CHECKED BY

SIGNED



GENERAL NOTES

PROJECT NAME: LE Carpenter	DATE:	11/12	109	TIME ARRIVED: 0615
PROJECT NUMBER: 6527.35	AUTHOF	: Scott	Middlebrook Pawekienin	TIME LEFT: 1800
			9	
	WEATHE	R		
TEMPERATURE: 45 °F WIND: 5-10	MPH		VISIBILITY:	OUBRIDST
WORK / SA	2000 CO. C.	1 V.B	A STATE OF THE STA	
GW JAMPIE: MW-343, MW-3	35s ,	MW	-325 , Mu	1-3(s
GW JAMPIE: MW-345, MW-3 MW-335, MW-28; (DUF	20-02) , ,	MW-28s	PB-02.
			1.1	
		W. Co.		
			***************************************	**
PROBLEMS ENCOUNTERED	# 1		CORRECTIVE A	
Inscricent / Low Pelcoury IN MIN	-345	Course	ded marmon	Amount of
σ		SAMO	les For LAB	iolotory To
			lete Analysis	
COI	MMUNICA	TION		
NAME REPRESENTING			SUBJECT / COMMEN	TS
				,
20				
3 Paulikeure 4/12/09	;		Dvenoord	re 11/23/09
SIGNED DATE		CHEC	CKED BY	DATE

RMT

GENERAL NOTES

PROJECT NAME:	LE Carpenter	DATE:	7/09	TIME ARRIVED: 0715
PROJECT NUMBER:	6527.35		Seet Middlebrook, COT Awww.	TIME LEFT: 1000
		WEATHER		
TEMPERATURE: 50	°F WIND:	0-10 MPH	VISIBIL	ITY: OUERCAST
	Charles and the contract of th	ORK / SAMPLING PE		
- Site CI- - Pack + S	SAMPLES MW- FAN-UP A.D Equipment			VE ACTION TAKEN
NAME	REPRESENTING	COMMUNICATIO	ON SUBJECT / COM	MENTS
J afronce	PM T	PROGRESS UP	All Control of the Co	
D. CONDON	lec	CHECK OUT	pate. Price to lem	cing 5.FB

CHECKED BY

11/13/09

SIGNED



EQUIPMENT SUMMARY

PROJECT NAME:	LE Carpent	er	SAMPLER NAME:		······································			
PROJECT NO.:	6527.35	SAMPLER NAM		Scott PA	weekiewicz			
WATER LEVEL MEASU	REMENTS COLI	ECTED WITH:						
	QED		PROJECT DEDICATED					
NAME AND MODEL OF IN	STRUMENT		SERIAL NUMBE	R (IF APPLICABLE)	- MAX			
PRODUCT LEVEL MEA	SUREMENTS CO	DLLECTED WITH						
	NA							
NAME AND MODEL OF IN	STRUMENT	* 0 HL-X	SERIAL NUMBE	R (IF APPLICABLE)				
DEPTH TO BOTTOM OF	WELL MEASUR	REMENTS COLL	ECTED WITH:					
à.	QED			PROJECT DEDI	CATED			
NAME AND MODEL OF IN:	STRUMENT	<i>F.</i>	SERIAL NUMBE	R (IF APPLICABLE)				
PURGING METHOD								
BLADDER PU	MP (QED SAMPL	E PRO)		RMT GR				
NAME AND MODEL OF PU	IMP OR TYPE OF I	BAILER	SERIAL NUMBE	R (IF APPLICABLE)				
SAMPLING MÉTHOD								
BLADDER PU	MP (QED SAMPLI	E PRO)		RMT GR				
NAME AND MODEL OF PU	IMP OR TYPE OF I	BAILER	SERIAL NUMBER (IF APPLICABLE)					
GEOTECH [DISPOSABLE FIL	TER	0.45 MICRON					
NAME AND MODEL OF FIL	TERATION DEVIC	E	FILTER TYPE AND SIZE					
DISPOSA	BLE POLY TUBIN	1G	LOW-FLOW SAMPLING EVENT					
TUBING TYPE		7 9	. 					
PURGE WATER DISPOS	SAL METHOD							
GROUND	☐ DRUM	☐ POTW	POLYTANK	OTHER				
DECONTAMINATION AN	ND FIELD BLANK	(WATER SOUR	OE .					
STO	RE BOUGHT			STORE BOUG	ЭНТ			
POTABLE WATER SOURCE	E		DI WATER SOUR	RCE				
S. Van Jekein.	•	11/9/09	do	ernoude.	n/23/09			
SIGNED	0	DATE	CHECKED BY		DATE			

PROJECT NAME: LE Carpenter				MODEL: WED MPZO	SAMPLER:	SM/SP
PROJECT NO.:	6527.35			SERIAL#: RMT CR	DATE: 11/10/0	₹
PH	CALIBRATION CHECK			CEE COND		
pH 7 LOT#): 2906678 EXP. DATE): 6/2011 POST-CAL READING/STANDARD	pHQ/ 10 (LOT #): 790-1-703 (EXP. DATE): 6/70/ L POST-CAL READING/STANDARD	CAL. RANGE	TIME	CAL. READING (LOT #): Z90 7201 (EXP. DATE): 7/2010 POST-CAL. READING / STANDARD	TEMPERATURE (*CELSIUS)	
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TURBID	ITY CALIBRATION CHEC				COMMENTS	RANGE
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589 1800	88/100 /19/20	WITHIN	1445	pH	pH: +/- 0.2 S.U	
/		WITHIN RANGE WITHIN RANGE WITHIN	,,,,	COND ORP D.O.	COND: +/- 1% OF ORP: +/- 25 mV	CAL. STAN
· · · · · · · · · · · · · · · · · · ·		RANGE			D.O.: VARIES	
pH Couls	NOTES Protow Fales ling day			LI TURB	TURB: +/- 5% OF (1) CALIBRATION RAN THE MODEL OF THE V	
P	ROBLEMS ENCOUNTERED			correct	IVE ACTIONS	, fral
				reading on w		

RMT

PROJECT NO.: 6527.35 PH CALIBRATION CHECK PH 7 (LOT #): 290 6678 (LOT #): 290 7203 (EXP. DATE): 6 / 2011 POST-CAL READING / STANDARD POST-CAL READING / ST	CAL. RANGE CELSIUS) CAL. RANGE WITHIN RANGE WITHIN RANGE WITHIN RANGE WITHIN RANGE WITHIN RANGE WITHIN RANGE TION CHECK
PH CALIBRATION CHECK PH 7 PH 7 PH 4 / 10 (LOT #): 2906678 (LOT #): 2907203 (EXP. DATE): 6/20(1 POST-CAL. READING/STANDARD CAL. READING CAL. READING CAL. READING POST-CAL. READING/STANDARD POST-CAL. READING/STANDARD CAL. READING CAL. READING TIME CAL. READING CAL. READING CAL. READING CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD D.O. CALIBRATION READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD POST-CAL READING/STANDARD CAL. READING/STANDARD POST-CAL RE	TION CHECK
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COT #): 290 66 78	CAL. RANGE S. 73
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CAL READING CALIBRATION CHECK D.O. CALIBRATION READING CAL. READING CALIBRATION READING CALIBRATIO	RANGE WITHIN RANGE TION CHECK
ORP CALIBRATION CHECK CAL. READING (LOT #): 199 F 190 97 4 (*CELSIUS) POST-CAL. READING/STANDARD POST-CAL. READING/STANDARD 254 / 244 / 3.00 WITHIN RANGE 70 7 7.08 244 / 244 / 7.00 WITHIN RANGE / 321	TION CHECK
CAL. READING (LOT #): 199 F 170 97 4 (EXP. DATE): 7/201 POST-CAL. READING/STANDARD 257 / 247 / 3.00 CAL. RANGE TIME (*CELSIUS) WITHIN PARAGE 7.08 244 / 244 / 7.00 WITHIN RANGE WITHIN RANGE 10.31	IG
(COLSIUS) CAL. RANGE POST-CAL READING/STANDARD 254 / 244 / 13.00 WITHIN RANGE / 321 244 / 244 / 12.00 WITHIN RANGE / 321	
(EXP. DATE): 7/20(1 (*CELSIUS)) RANGE TIME POST-CAL READING / STANDARD 254 / 244 / 13.00 WITHIN RANGE 0707 244 / 244 / 7.00 WITHIN RANGE / 1821 10.31	- $ -$
257 1247 13.00 WITHIN 0707 244 1244 12.00 WITHIN 1821 10.31	RANGE
244 / 244 12.00 WITHIN 1821 10.31	WITHIN
	WITHIN RANGE
/	RANGE WITHIN RANGE
/ WITHIN	WITHIN
TURBIDITY CALIBRATION CHECK COM	MENTS RANGE
CALIBRATION READING (NTU)	STANDARD SOLUTION (
(LOT #): CAL. TIME (LOT #): LIST L	OT NUMBERS AND EXPIRATI UNDER CALIBRATION CHE
POST-CAL, READING / STANDARD POST-CAL, READING / STANDARD CALIBRATED PARAMETERS	CALIBRATION RANGES (1
75/100 / 19/20 WITHIN RANGE 0705 DH PH:	+/- 0.2 S.U.
/ / WITHIN COND CONE): +/- 1% OF CAL. STAN
/ / WITHIN RANGE ORP:	+/- 25 mV
/ / WITHIN D.O. D.O.:	VARIES
NOTES TURB	: +/- 5% OF CAL. STAN
	LIBRATION RANGES ARE SPI ODEL OF THE WATER QUALI

PROJECT NAME:	LE Carpenter			MODEL:	EDMPZO	SAMPLER:	SM/SP	
PROJECT NO.:	6527.35			SERIAL #:	RMT GR	DATE: 11-12-09		
РН	CALIBRATION CHECK				SPECIFIC COND	UCTIVITY CALIBI	RATION	
pH 7 LOT#): 290 6478 EXP. DATE): 6/2011 POST-CAL. READING/STANDARD	pH 4 / 10 (LOT #): 290 7203 (EXP. DATE): 6/20/ POST-CAL READING / STANDARD	CAL. RANGE	TIME	(EXI	CAL. READING 1#): 2907201 P. DATE): 7/2010 DST-CAL. READING/STANDARD	TEMPERATURE (*CELSIUS)	CAL. RANGE	
9.00 /7.90 /	6.16 1 5.00	WITHIN RANGE WITHIN RANGE			1430 11413	10.05	WITH RANG	
/	1	WITHIN RANGE WITHIN RANGE		-	/ /		WITH RANG	
ORP	CALIBRATION CHECK	RANGE			D.O. CA	LIBRATION CHE	RANG CK	
CAL. READING LOT#): 09F100974 EXP. DATE): 7/2011 POST-CAL. READING/STANDARD	TEMPERATURE (*CELSIUS)	CAL. RANGE	TIME		CALIBRATION F	READING	CAL. RANGE	
240 1250 1 1	9.50	WITHIN RANGE WITHIN RANGE WITHIN RANGE WITHIN RANGE	11248		<i>U.13</i>		WITH RANG	
		RANGE]			RANG	
	ITY CALIBRATION CHEC READING (NTU)	K			AUTODAL GOLUTION	COMMENTS		
LOT #):	(LOT#): (EXP. DATE):	CAL. RANGE	TIME	(LOT	AUTOCAL SOLUTION #): D. DATE):	LIST LOT NUMBERS A UNDER CALIE	ND EXPIRA	
POST-CAL. READING / STANDARD	POST-CAL. READING / STANDARD	5 5 1		С	ALIBRATED PARAMETERS	CALIBRATIO	ON RANGE	
7.20(8001 1	96/100 / 19/20 /	WITHIN RANGE WITHIN RANGE WITHIN RANGE WITHIN WITHIN	1246		pH COND ORP	pH: +/- 0.2 S.U COND: +/- 1% OF ORP: +/- 25 mV		
	1	RANGE] '	D.O.	D.O.: VARIES		
pth will not	NOTES CALIBIOTE DOWN	J 10			TURB	(1) CALIBRATION RAN THE MODEL OF THE V	GES ARE S	
P	ROBLEMS ENCOUNTERED				CORRECT	IVE ACTIONS		



WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE: 11/16/09
PROJECT NUMBER:	6527.35	AUTHOR: Scot Middlebrook, Scott Pawl

	TROJECT NOMBER.	0027.00			AUTHOR: Scott Mindlebrook, Scott Paw					
:	WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION			
	MW-19-8	0635		9.07						
	MW-19-9D	0639		9.29						
×	MW-19-12	0633		8.39	16.70	and me of the second se				
	GEI-3I	6641		13.19						
	MW-15S	0645		10.72						
	MW-15I	0646		10.62						
	MW-18S	0653		5.32						
	MW-18I	0654		4.89						
	MW-17S	0702		8.75						
	MW-12R	0706		8.06	4					
	MW-9	0710		3.96						
x	MW-8	0714		3.10						
	MW-13S	1054		5.52						
	MW-13I	1053		5.09						
	MW-13S (R)	/0SZ		કતા		And the second s				
x	MW-25R	0772		2.44	9.63					
	MW-21	0719		3.58						
×	MW-27S	1735	11/109	7.39	13,04					
×	MW-28S	0735		6.71	17.62					
1	MW-28I	0736		6.12	72.81					
ĸ	MW-29S	0659		7.73	14.58	and the state of t				
X	MW-30S	0730		3.64	12.09					
K	MW-30I	0729		3.31	18.10 (TOP	OF Pump)				

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

SIGNED DATE CHECKED DATE



WATER LEVEL DATA

PROJECT NAME:	LE Carpenter	DATE: 11/10/09
PROJECT NUMBER:	6527.35	AUTHOR: Scott Middlebrook, Scott Pawl

WELL LOCATION	TIME	REFERENCE	DEPTH TO WATER (FEET)	DEPTH TO BOTTOM (FEET)	DEPTH TO PRODUCT (FEET)	WATER ELEVATION
MW-30D	0728		3.34	22.28		
MW-31s	1507	11/9/69	5.29			
MW-32s	1516		5.71			
MW-33s	1520		6.15			
MW-34s	1513		5.25		Thickness co.	01 , UISIBIA ON
MW-35s	1510	1	4.73	A CASE OF THE STATE OF THE STAT		
SW-D-1	1225		j. 9 8			
SW-D-2	1210		2.72			
SW-D-3	1115		1.78		S 2007	and the state of t
SW-D-4	0950	A SECTION	1.41	4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -		
SW-D-5	0855		3.13	7		
SW-R-1	0910		2.59			
SW-R-2	1245	Thinks the state of the state o	2.61			
SW-R-3	0930		1.83			
SW-R-4	0940		2.50			*s
SW-R-5	1030		1.83			
SW-R-6	1015					
DRC-2	0840		2.08			
SG-R2			2.89			
	1002		610 L	A CONTRACTOR OF THE CONTRACTOR		
					Manager of the second s	

ALL WATER LEVELS MUST INCLUDE REFERENCE POINT AND TAPE CORRECTION FACTOR (E.G., 1.1 + 0.00 T/PVC).

SIGNED

DATE

RMT

REVISED 03/2008

WATER SAMPLE LOG

PROJEC.	ROJECT NAME: LE Carpenter PREPARED CHECKED							KED .		
PROJEC [*]	T NUMBE	R: 6527.	35	вү	: SM/SP	DATE: (1/	4/09 BY:	40	DATE: 11/23/09	
SAMPLE	ID: MA	J-333		WELL DIA	METER: 🔀 2	2"] 6"	IER		
WELL MA	TERIAL:	PVC	∕ss □	IRON GA	LVANIZED S	TEEL	ОТН	IER		
SAMPLE T	YPE:	GW GW	□ww □	SW 🗌 DI		EACHATE	□ от⊦	IER		
3 H	GING	TIME: (2		ATE: 11/9/0	Sales Sa	SAMPLE TIME: 1040 DATE: 11/12/09				
PURGE PUMP PERISTOLATIC PH: 7.79 SU COMETHOD: BAILER ORP: 446 mV DO								CTIVITY: <u>18</u> 9 Z.96 mg	L umhos/cm	
DEPTH TO WATER: 6-15 T/ PVC TURBIDITY: NTU										
DEPTH TO	DEPTH TO BOTTOM: VF T/ PVC NONE SLIGHT MODERATE VERY									
WELL VOL	UME:	NA	LITERS	GALLONS		RATURE: <u>l</u>		OTHER:		
	REMOVED		LITERS	☐ GALLONS	COLOR	cle, Fer	FLOOTERS	ODOR: Ye	72_	
COLOR:	cle, h	IK 4 ora	mar Conties	OOR: yes	FILTRAT	E (0.45 um)	YES	✓ NO		
64 TURBIDITY FILTRATE COLOR: CLE FILTRATE ODOR: 4500 NO.								R: 400 10		
NONE			MODERATE	☐ VERY	QC SAN		S/MSD	DUP-		
DISPOSA	L METHOD	: GROU	ND DRUM	OTHER	СОММЕ	INTS: Alk:	400 (0	2/35	feeros: > To	
TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATU	RE WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OF L)	
1538	400	7.30	1484	92	4.51	64	14,47	6.15	INITIAL	
1543	1	7.59	1473	-10	1.05	158	13-87		2	
1548		7.72	1471	-44	0.38	49	13.66	9,00	4	
1553	V	7.79	1381	-46	7.96	314	14,13	DEQ.	6	
	PUMP	ED D	Z.A	1				7		
	, , ,		P							
					-					
NO * pH: +/-				.ETE WHEN 3 S					IG LIMITS: TEMP.: +/- 0.5°C	
BOTTLES	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	I E-HC	L F	
NUMBER	SIZE	TYPE	PRESERVAT				TYPE	PRESERVATI		
5	40 mL	VOA	Е		N 2	1 L	AMBER	F	UY VN	
1	40 mL	VOA	Α	□ Y ☑	N 1	500mL	PLASTIC	Α	Y V	
1	40 mL	VOA	С	□ Y ✓	N 1	500mL	PLASTIC	В	✓Y □N	
2	1 L	GLASS	С	□ Y	N 1	1 L	PLASTIC	Α	□ Y ☑ N	
1	125 mL	PLASTIC	. F	□ Y ✓	N				☐ Y ☐ N	
SHIPPING	METHOD:	LAS P	/v D	ATE SHIPPED:	11/12/1	၁ γ	AIRBILL N	NUMBER:	N	
COC NUME	COC NUMBER: 725677 SIGNATURE: 5 Paulis, DATE SIGNED: 11/12/09									

PROJECT	NAME:	LE Ca	rpenter			PREF	PARED		CHE	CKED
PROJECT	NUMBER	R: 6527.3	35		BY:	SM/SP	DATE: ///	g/09 BY:	dD	DATE:11/23/09
SAMPLE	ID: MA	ル−3 <i>5</i> \$		WELL [DIAMET	TER: 🖊 2"		6" OTH	ER	
WELL MAT	ERIAL:	PVC	⊠'ss □	IRON [GALVA	ANIZED ST	EEL	ОТН	ER	
SAMPLE T	YPE:	☑ GW	_ww □	sw 🗌	DI	LE	ACHATE	□ отн	ER	
PUR	3ING	TIME: 16		ATE: U/T	109	SAN	APLE :	TIME: 040	00 [DATE: to 12 09
PURGE METHOD		PUMP BAILER	PERISIAL	ic		PH: _2	<u>ም.14</u> s ታይ m			mg/L umhos/cm
DEPTH TO	O WATER:		T/ PVC			TURBIDIT	-	NTU		.9-
	р воттом		T/ PVC			NONE	SLI	GHT 🔲	MODERATE	VERY
WELL VOL	.UME:	NA	LITERS	GALLO	NS	TEMPERA	TURE:l	3.15 ℃	OTHER:	
VOLUME I	REMOVED	: 8	LITERS	GALLO	NS	COLOR:	CR.		ODOR:	chas
		lk Floo	TIES OI	OOR: yes		FILTRATE	(0.45 um)	YES	√ NO	
	2	3 TURI	BIDITY			FILTRATE	COLOR: <u>A</u>	2n	FILTRATE OF	DOR: Ka
NONE	SLI	GHT 🔲	MODERATE	U VE	RY	QC SAME		/MSD	DUP-	
DISPOSAL	_ METHOD	: GROU	ND 🗌 DRUM	OTHER	3	COMMEN	ITS: A (K:	350 (102:30	Geneus: 5
TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)		D.O. T	TURBIDITY (TEMPERATŮ (°C)	LEVEL	PURGE VOLUME
1601	400	7.83	468	-47	Z	.93	73	13.33	471	
1606	,	4.71	1176	* 52		D-89	16	12.95	- 638	. 2
1601		7.88	1207	<i>ک</i> 3 –	- 0	.42	20	12.79		
1616	V	7.79	1215	→ 57	0	130	29	12.20	9.00	6
1531		8.14	1109	- 56	3.	.69 -	7 1000	13.15	10.0	- 8
	Pumpe	o De	y .							
NO 1 pH: +/-			EST IS COMPL 5 (<100 ORP				READINGS A		THE FOLLOW = 10</td <td>/ING LIMITS: TEMP.: +/- 0.5°C</td>	/ING LIMITS: TEMP.: +/- 0.5°C
BOTTLES	3 FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - NaOH	E- F	ICL F
NUMBER	SIZE	TYPE	PRESERVAT	IVE FILTE	ERED	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTERED
5	40 mL	VOA	E	Y	☑ N	2	1 L	AMBER	F	□Y V
1	40 mL	VOA	А		N	1	500mL	PLASTIC	Α	□ Y ☑ N
. 1	40 mL	VOA	С	□ Y	N	1	500mL	PLASTIC	В	VY N
2	1 L	GLASS	С	□ Y	☑ N	1	1 L	PLASTIC	Α	□Y VN
1	125 mL	PLASTIC	F	ΠY	VΝ					□ Y □ N
SHIPPING	METHOD:	LAS	P/0 D	ATE SHIPPE	ED:	u[17/19		AIRBILL N	NUMBER:	NA
COC NUM	BER:	2555	77 s	IGNATURE:	5	11/12/09 Paulici	·/	DATE SIG	NED:	11/12/09
REVISED	03/2008	· · · · · · · · · · · · · · · · · · ·				~	/			

PROJECT N	IAME:	LE Car	rpenter		PRE	PARED		CHEC	KED			
PROJECT N	IUMBER	: 6527.3	35	BY:	SM/SP	DATE: [/	/9/09 BY:	do	DATE: 11 23 09			
SAMPLE ID	: mu	34 <i>s</i>		WELL DIAN	METER: 2	'	6" OTHE	R				
WELL MATER	RIAL:	PVC	∑∕ss [] IRON 🗌 GAI	LVANIZED ST	EEL	OTHE	R				
SAMPLE TYP	E:	y ∕GW	□ww □	SW DI		ACHATE	OTHE	R				
PURGI	NG	TIME: 16		PATE: 11/9/09	\$A	MPLE	TIME: 07/5	D,	ATE: 11/12/09 1			
PURGE METHOD:		PUMP BAILER	PERISTA	u(C		PH: 7-66 SU CONDUCTIVITY: 966 umhos/cm ORP: 30 mV DO: 2-72 mg/L						
DEPTH TO V			T/ PVC			TY: 3(NTU		y			
DEPTH TO BOTTOM: T/ PVC									☐ VERY			
WELL VOLUN		NA	LITERS	GALLONS	TEMPER	ATURE:	13.15°C C	OTHER: _				
VOLUME RE			LITERS	GALLONS	COLOR:	clr		DDOR:	pe			
COLOR: (Clouds	-	0	DOR: <u>()</u> 21		E (0.45 um)		√ NO				
	70		BIDITY	_		COLOR: C		FILTRATE ODG	DR: NO			
NONE			MODERATE	VERY	QC SAM		/MSD [DUP-				
DISPOSAL M	/IETHOD:	GROU	ND DRUM	OTHER	COMME	NTS:						
TIME	PURGE RATE ML/MIN)	PH (SU)	CONDUCTIVIT	Y ORP (mV)		TURBIDITY (NTU)	TEMPERATUR	E WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)			
1630	400	7.80	966	-10	412	70	13.11	5.25	INITIAL			
1635	1	7.78	1041	-23	0.44	50	10.41	8.71	Z			
1640	4	7.66	966	-30	2.72	31	13.15	1034	ч			
6	Samp,	et: U	1/z/us	07/5								
		·										
pH: +/- 0.	1 C		EST IS COMP 5 (<100 ORF	LETE WHEN 3 S D: +/- D.	UCCESSIVE O.: +/- 10 %			HE FOLLOWII	NG LIMITS: TEMP.: +/- 0.5°C			
BOTTLES F			ATIVE CODES	·	B - HNO3	C - H2SO4		E - HO				
NUMBER	SIZE	TYPE	PRESERVAT				1.1	PRESERVAT	IVE FILTERED			
5	40 mL	VOA	ulizla E o		N 12	1 L	AMBER "	OUSF	□Y ✓N			
1	40 mL	VOA	ulielogA 5		N	500mL	PLASTIC	A	D Y W N			
	40 mL	VOA	Wizlog C O		N 1	500mL	PLASTIC	1/13/08 B	N D V			
2	1 L	GLASS	ulizla C o		N 1	1 L	PLASTIC 1	5715 A	□Y ✓N			
1 1	125 mL	PLASTIC	ulizioa F o	Blam V V	N				□ Y □ N			
SHIPPING ME	ETHOD:	LAS 1	P/U [ATE SHIPPED:	11/12/	09	AIRBILL N	UMBER:	NO			
COC NUMBE		22567	17 8	IGNATURE:	5 Paul	lity	DATE SIGI	NED: //	1/12/09			

PROJECT	Г NAME:	LE Ca	rpenter			PF	REPARED		CHE	CKED	
PROJECT	r number	R: 6527.	35		BY:	SM/SP	DATE://	4/09 BY:	20	DATE: 11/23/09	
SAMPLE	ID: M	w-313	5 11 211 2	WEL	L DIAM	IETER:			HER		ĺ
WELL MAT	Section in the second	PVC	√ss	IRON	GAL	VANIZED	STEEL	ОТІ	HER	***	1
SAMPLE T	YPE:	⊈ GW	ww	sw ∣	DI		LEACHATE	П ОТІ	HER		1
PUR	GING	TIME: /s		DATE: ///	19/09	. S	SAMPLE	TIME: 090	15	DATE: 11/17/09	j
PURGE METHOD	_	PUMP	PERIST	opic	_	PH:			CTIVITY: 16	umhos/cm	_
		BAILER							0.54 m	ıg/L	_
	O WATER:		T/ PVC		<u> Para - </u>		IDITY: 37	NTU			
	ВОТТОМ		T/ PVC			☐ NO			MODERATE	☐ VERY	-
WELL VOL		<u>NA</u>	LITERS		LONS		ERATURE:		OTHER: _		_
	REMOVED	: <u>b</u>	LITERS		LONS		R: CLEAR			Roha.	4
COLOR:	36	- J		ODOR:			ATE (0.45 um)	VES YES	✓ NO		-
NONE	.5 6 ∏″SLI		BIDITY MODERAT	<u> </u>	/ERY		TE COLOR: AMPLE: \ MS	C/MCD	FILTRATE OF	OOR:	-
	L METHOD			UM OTH							_
Eventual entre state		anoo		OW DOIL	IEN .	COMIN	MENTS: A/K!	/00 ()		foraus: >20	<u>'</u>
TIME'	PURGE RATE	PH	CONDUCTIV	/ITY OR	P	D.O.	TURBIDITY	TEMPERAT	URE WATER		THOCATOR
	(ML/MIN)	(SU)	(umhos/cr			(mg/L)	(NTU)	(°C)	(FEET)	(GAL OR L)	Pinte
1645	Upo	7.91	1108	15		5.69	36	13.90	5.29	INITIAL	immeli
1650	_/_	8.43	1170	- 56	5	0.44	18	13.78	7.31	2	
1655	Ι,	8.55	1084	-72	2	0.76	12	13.28	3.50	9 4	
1700	\	9.03	1019	- 72	-	0.54	37	13.41	10.32	6	
2	Pumpe	-	ed.								
	Unique	,,,,,	ð								1
											-
											-
											-
											-
]
									THE FOLLOW	ING LIMITS:	
pH: +/-	0.1	COND.: +/-	5 (<100 O	RP: +/-	D.C	O.: +/- 10	% TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td> <td></td>	TEMP.: +/- 0.5°C	
BOTTLE	S FILLED	PRESERV	ATIVE COD	ES A - NON	IE I	B - HNO3	C - H2SO4	D - NaO	H E-H	CL F	
NUMBER	SIZE	TYPE	PRESERV	ATIVE FII	TERE	NUMB	ER SIZE	TYPE	PRESERVA	TIVE FILTERED	1
5	40 mL	VOA	Е		/ ② I	V 2	1 L	AMBER	F	□Y ✓N	1
1	40 mL	VOA	А		(<u>[</u>]	N 1	500mL	PLASTIC	A	□Y ✓ N	1
1	40 mL	VOA	С		/ [J]	N 1	500mL	PLASTIC	В	VY N	1
2	1 L	GLASS	С		(1	V 1	1 L	PLASTIC	A		-
1	125 mL	PLASTIC	F		/ ② I						1
SHIPPING	METHOD:	LAR P.	/ _U	DATE SHIF		11/12	<u></u>	AIRRII I	NUMBER:	1/1]]
COC NUMI		25565				06	01.	•		18/100/	-
REVISED		0036	9. 4.	SIGNATUR	<u>-</u>	J/a	Jun	DATE SI	GINED:	11/12/09]

225-677

COC NUMBER:

REVISED 03/2008

SIGNATURE:

DATE SIGNED:

DDO ITOT NAME					10.20
PROJECT NAME: LE Carpenter		REPARED	7 /	CHEC	KED
PROJECT NUMBER: 6527.35	BY: SM/SI	DATE: // /	9/09 BY:	₽	DATE: NR3 09
SAMPLE ID: MW-325 WELL	DIAMETER:] 2"] 6" 🔲 ОТН	ER	·
WELL MATERIAL: ☐ PVC ☐ SS ☐ IRON ☐] GALVANIZED	STEEL	□ отн	ER	
SAMPLE TYPE: GW WW SW] DI	LEACHATE	□ отн	ER	
PURGING TIME: 1705 DATE: 11/8	109	SAMPLE	TIME: O 700) D/	ATE: 11/12/09
PURGE PUMP PEDISTALTIC		7.77 9	SU CONDUC	TIVITY: /Z#	6umhos/cm
METHOD: BAILER	ORP:	<u>*53</u> n	nV DO:	<u>0.30</u> mg	ı/L
DEPTH TO WATER: 5.71 T/ PVC	TURE	BIDITY: 169	NTU		
DEPTH TO BOTTOM: T/ PVC	□ N	ONE SL	IGHT 🛮	MODERATE	☐ VERY
WELL VOLUME: NA LITERS GALL		ERATURE: /3		OTHER:	
VOLUME REMOVED: '4 LITERS GALL		or:elr, blk	. Floaties	ODOR: 57	TRONG
COLOR: Cle, b/k. Floring ODOR: Ye		ATE (0.45 um)	YES	✓ NO	
	FILTR.	ATE COLOR:(ela	FILTRATE ODO	OR: 110
			S/MSD	DUP-	
DISPOSAL METHOD: GROUND DRUM OTHE	R COM	MENTS: A(K.)	NA CO.	z MA	Feanus! NA
TIME PURGE PH CONDUCTIVITY ORP	D.O.	TURBIDITY	TEMPERATU	RE WATER	CUMULATIVE
(ML/MIN) (SU) (umhos/cm) (mV)	(mg/L)	(NTU)	(°O)	''- LEVEL (FEET)	PURGE VOLUME (GAL OF L)
1705 400 8.40 1274 -32	5.42	23	12,77	5.71	INITIAL
1710 1 7.85 1278 -46	0,47	25	12.96	8.75	7
1715 \$ 7.77 1276 -53	0.30	169	13,04	10.44	4
PURSED DRY.				,,,,,,	
- NOT FLANGE LATER MAINTE	100 C 50	1/	1/6	1 /con /	Te K:75
OR TO FILL SOO ML Plostic	C1 / 6	410	DIE NEN	1001	6 /6,70
OIL TO FILE SEE ME PROSPE	SAMPLE O	917 (C.)			
NOTE: STABILIZATION TEST IS COMPLETE WHEI					
pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/-		% TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
BOTTLES FILLED PRESERVATIVE CODES A - NONE	B - HNO3	C - H2SO4	D - NaOH	E - HC	L F
NUMBER SIZE TYPE PRESERVATIVE FILT	ERED NUME	BER SIZE	TYPE	PRESERVATI	VE FILTERED
5 40 mL VOA E Y	✓ N 2	1 L	AMBER	F	□Y ☑N
1 40 mL VOA A Y	☑ N — →	500mL	PLASTIC	A	N S P
1 40 mL VOA C Y	✓ N 1	500mL	PLASTIC	В	✓ Y □ N
2 1 L GLASS C Y	✓ N 1	1 L	PLASTIC	A	□Y ✓ N
1 125 mL PLASTIC F Y	✓ N				Y N
SHIPPING METHOD: /AR P/V DATE SHIPP	ED: ///2	100	AIRRII I N	IIIMDED:	411

PROJECT NUMBER: 6527.35 BY SM/SP DATE:	PROJECT NAME: LE Carpenter	3.734 6.734 5.734	PREF	PARED		CHI	ECKED
WELL MATERIAL:	PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: 11/10/	109 BY:	W	DATE: 123/09
WELL MATERIAL:	SAMPLE ID: DRC-DZ	WELL DIAMET	ER: 2"	4" 6	5"	IER N/A	200
SAMPLE TYPE: GW WW SW DI	WELL MATERIAL: PVC SS IRO	N GALVA	NIZED STE	EEL	✓ OTH		170
PURGE	SAMPLE TYPE: GW WW SW	′ 🗌 DI	LE	ACHATE	□ отн		
METHOD:	PURGING TIME: DATE:	/	SAN	/IPLE 7	TIME: O S	10	DATE: 4/10/09
DEPTH TO WATER:	METHOD:						
WELL VOLUME:	DEPTH TO WATER: T/ PVC			Y:			
VOLUME REMOVED: LITERS GALLONS COLOR: ODOR: COLOR: ODOR: COLOR: ODOR: FILTRAPE (0.45 um)	DEPTH TO BOTTOM:T/ D/C		NONE	SLIG	HJ/	MODERATE	□ VERY
COLOR:	WELL VOLUME: LITERS	GALLONS	TEMPERA	TURE:	√ °.	OTHER:	
TURBIDITY	VOLUME REMOVED: LITERS	GALLONS	COLOR:	_/_		ODOR:	
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- Or - NOTHER STILLED PRESERVATIVE CODES A NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F - NUMBER SIZE Type PRESERVATIVE FILTERED Type T	COLOR: ODOR:		FILTRAFE	(0.45 um)	YES	✓ NO	
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/-			FILTRATE (COLOR:		FILTRATE C	DDOR:
TIME PURGE PH CONDUCTIVITY ORP D.O. TURBIDITY TEMPERATURE LEVEL LEVEL LEVEL COLUME (GAL OR L.) INJUNE. NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or = TEMP.: +/- </td <td>□ NOME □ SLIGHT □ MODERATE</td> <td>VERY</td> <td>QC SAMP</td> <td>PLE: MS/W</td> <td>ISD</td> <td>DUP-</td> <td></td>	□ NOME □ SLIGHT □ MODERATE	VERY	QC SAMP	PLE: MS/W	ISD	DUP-	
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: PH: +/-	SPOSAL METHOD: GROUND DRUM	OTHER	COMMEN	ITS:			
NOTE: STABILIZATION TEST IS COMPLETE WHEN 3 SUCCESSIVE READINGS ARE WITHIN THE FOLLOWING LIMITS: pH: +/-	RATE PH CONDUCTIVITY			17.2		LEVE	PURGE VOLUME (GAL OR L)
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N							INITIAL
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N							
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N							
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N		1	14/				
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N							
pH: +/- COND.: +/- ORP: +/- D.O.: +/- TURB: +/- or TEMP.: +/- BOTTLES FILED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E Y N Y N Y N 2 1 L AMBER F Y N Y N Y N Y N N Y N Y N Y N							
pH: +/- COND.: +/- D.O.: +/- TURB: +/- Or =</th TEMP.: +/- BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F							
pH: +/- COND.: +/- D.O.: +/- TURB: +/- Or =</th TEMP.: +/- BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F							
pH: +/- COND.: +/- D.O.: +/- TURB: +/- Or =</th TEMP.: +/- BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F							
pH: +/- COND.: +/- D.O.: +/- TURB: +/- Or =</th TEMP.: +/- BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F					/		
pH: +/- COND.: +/- D.O.: +/- TURB: +/- Or =</th TEMP.: +/- BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F				-			
BOTTLES FILLED PRESERVATIVE CODES A - NONE B - HNO3 C - H2SO4 D - NaOH E - HCL F	NOTE: STABILIZATION TEST IS COMPLETE	WHEN 3 SUC	CESSIVE R	READINGS AR	E WITHIN 1	THE FOLLOW	VING LIMITS:
NUMBER SIZE TYPE PRESERVATIVE FILTERED NUMBER SIZE TYPE PRESERVATIVE FILTERED 3 40 mL VOA E	pH: +/- COND.: +/- ORP: +/-	D.O.:	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
3 40 mL VOA E	BOTTLES FILLED PRESERVATIVE CODES A - I	NONE B -	HNO3	C - H2SO4	D - NaOH	I E-I	HCL F
2 1 L AMBER F	NUMBER SIZE TYPE PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE	PRESERVA	ATIVE FILTERED
	3 40 mL VOA E	Y VN					□ Y □ N
	2 1 L AMBER F	Y VN					□Y □N
		YNN					TY N
		TY N	177			THE SHAPE THE PROPERTY OF THE STATE OF THE S	
		YN					
AIKBILL NUMBER: WA	SHIPPING METHOD: / - P/s	CHIPDED /	1/10/10	1	AIDDULL	II IMPED:	
000 111110000 000 000 000 000 000 000 0			10109	.,			
COC NUMBER: 225 672 SIGNATURE: 5 Foul DATE SIGNED: 11/10/09 REVISED 03/2008		TURE: 3	fordy		DATE SIG	SNED:	11/10/09

PROJECT NAME: LE Carpenter		PRE	PARED		СН	ECKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: 11/10	OQ BY:	90	DATE:11/23/09
SAMPLE ID: 5W-D-5 WEL	L DIAME	 ΓER:	"	5"	HER N/A	
WELL MATERIAL: PVC SS IRON [GALV	ANIZED ST	EEL	✓ OTH		
SAMPLE TYPE: GW WW SW [] DI		EACHATE	П ОТН		
PURGING TIME: DATE:	/	SA	MPLE T	TME: 08	53	DATE: ú/10/09
PURGE PUMP		PH:	SU	CONDU	CTIVITY:	umhoe/cm
METHOD: BAILER		ORP: _	mV	DO:		mg/L_
DEPTH TO WATER:T/ PVC		TURBIDI"		XUTN		
DEPTH ТО ВОТТОМ:Т/ РС	****	NONE	SLIGI	41 / /	MODERAT	E VERY
	LONS	TEMPERA	ATURE:	<u>°c</u>	OTHER:	
	LONS	COLOR:	\angle		ODOR:	
COLOR: ODOR:	 .	FILTRATE	E (0.45 um)	YES	☑ NO	
TURBIDITY		FILTRATE			FILTRATE (ODOR:
	ERY	QC SAME		SD	∐ DUP-	
SPOSAL METHOD: GROUND DRUM OTH	ER	COMMEN	NTS:			
TIME PURGE PH CONDUCTIVITY ORF (ML/MIN) (SU) (umhos/cm) (mV		D.O. 1	rurbidity (NTU)	TEMPERATU	JRE WATE LEVE (FEE	EL PURGE VOLUME
	•	J	The second			INITIAL
		1/8				
NOTE: STABILIZATION TEST IS COMPLETE WHE	N 3 SUC	CESSIVE F	READINGS AR	E WITHIN 1	THE FOLLO	WING LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.:	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	Е В-	HNO3	C - H2SO4	D - NaOH	l E-	HCL F
NUMBER SIZE TYPE PRESERVATIVE FILT	TERED	NUMBER	SIZE	TYPE	PRESERVA	ATIVE FILTERED
3 40 mL VOA E Y	✓ N				***************************************	□ Y □ N
2 1 L AMBER F Y	✓ N					Y N
□ Y	□N					□ Y □ N
Y	□и					□ Y □ N
□ Y	□N					
SHIPPING METHOD: LAZ P/U DATE SHIPP	PED: //	linla		AIRBILL N	IUMBER:	4.1
COC NUMBER: 225-67Z SIGNATURE		2.1	\	DATE SIG		u lintoa
REVISED 03/2008	$\overline{}$	1 2000	7			- 11010-1

PROJECT NAME: LE Carpenter		PREI	PARED		CH	IECKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: 44/10	BY:	40	DATE: N/23/09
SAMPLE ID: 5W-R-1 WELL	DIAME	ΓER:	'	"	IER N/A	
WELL MATERIAL: PVC SS IRON] GALV	ANIZED ST	EEL	✓ OTH		
SAMPLE TYPE: GW WW SW] DI	LE	ACHATE	OTH		
PURGING TIME: DATE:		SAI	MPLE T	IME: Oqi	D D	DATE: (1/10/09
PURGE PUMP	_	PH:	SU	CONDUC	CTIVITY:	umhos/s/n
METHOD: BAILER		ORP: _	mV	DO:		mg/L
DEPTH TO WATER: T/ PVC		TURBIDI"	TY:	NTU		
DEPTH TO BOTTOM: T/ PVC		☐ NONE	SLIGH	17/1	MODERAT	E VERY
WELL VOLUME: LITERS GALLO	SNC	TEMPERA	ATURE:	Ne	OTHER:	
VOLUME REMOVED: LITERS GALLO	SNC	COLOR:			ODOR:	n č
COLOR: ODOR:		FILTRATE	(0.45 µm) 🗆] YES	✓ NO	
TURBIDITY		FILTRATE			FILTRATE (ODOR:
	RY	QC SAME		SD	DUP-	
SPOSAL METHOD: GROUND DRUM OTHE	R	COMMEN	NTS:			
TIME PURGE PH CONDUCTIVITY ORP (ML/MIN) (SU) (umhos/cm) (mV)		D.O. T	FURBIDITY T	EMPERATU	RE WATE	EL PURGE VOLUME
(my)		mg/L/	(N)O)	(0)	(1111)	INITIAL
				,,-		
	1	X				
	N	`				
				2115		
NOTE: STABILIZATION TEST IS COMPLETE WHEN	1 3 SUC	CESSIVE F	READINGS ARE	E WITHIN 1	HE FOLLO	WING LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.:		TURB: +/-	or		TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	В-	HNO3	C - H2SO4	D - NaOH	E-	HCL F
NUMBER SIZE TYPE PRESERVATIVE FILT	ERED	NUMBER	SIZE	TYPE	PRESERV	ATIVE FILTERED
3 40 mL VOA E Y	✓N					□ Y □ N
2 1 L AMBER F Y	✓N	914			7777	□ Y □ N
Y	□N					□Y □N
Y	□N					□Y □N
Y	□N					□Y □N
SHIPPING METHOD: LAS P/O DATE SHIPPI	ED:	uliploa	7	AIRBILL N	IUMBER:	NA
COC NUMBER: 225672 SIGNATURE:		Panel		DATE SIG		11/10/09
REVISED 03/2008	<u>پ</u>	1 aust	y y			111907

REVISED 03/2008

PROJECT NAME: LE Carpenter		PREPARE	D.	CHI	ECKED
PROJECT NUMBER: 6527.35	BY	SM/SP DATE	: 11/10/09 BY:	40	DATE: 11/23/09
SAMPLE ID: SW-R-3	WELL DIAME	TER: 2" 2	ι"	HER N/A	
WELL MATERIAL: PVC SS	IRON GALV	ANIZED STEEL	√ от		
SAMPLE TYPE: GW WW	SW DI	LEACHA		HER	- 1911 y 15
PURGING TIME: D,	ATE:	SAMPLE	TIME: 09	30	DATE: 11/10/09
PURGE DUMP		PH:		ICTIVITY:	umhos/erc
METHOD: BAILER		ORP:	mV DO:		mg/L
DEPTH TO WATER: T/ PVC		TURBIDITY: _	NTU	\mathcal{O}	
DEPTH TO BOTTOM: T/ P/C		☐ NONE	SLIGHT \	MODERATE	☐ VERY
WELL VOLUME: LITERS	GALLONS	TEMPERATURE	<u>:</u> بح	OTHER:	
VOLUME REMOVED: LITERS	GALLONS	COLOR:		ODOR:	
COLOR: OE	OOR:	FILTRATE (0.45	um) 🗌 YES	✓ NO	
TURBIDITY		FILTRATE COLO	₹:	FILTRATE O	DOR:
NOME SLIGHT MODERATE	VERY	QC SAMPLE:	MS/MSD	DUP-	
SPOSAL METHOD: GROUND DRUM	OTHER	COMMENTS:			
TIME PURGE PH CONDUCTIVITY	ORP	D.O. TURBIC	ITY TEMPERATI	JRE WATE	And the last the second of the
(ML/MIN) (SU) (umhos/cm)	(mV) (mg/L) (NTU) (°C)	(FEET	
					INITIAL
		0,			
	\	111			
NOTE: STABILIZATION TEST IS COMPL	ETE WHEN 3 SUC	CESSIVE READIN	IGS ARE WITHIN	THE FOLLOW	/ING LIMITS:
pH: +/- COND.: +/- ORP:	+/- D.O.:	+/- TURE	: +/- or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES	A - NONE B -	HNO3 C - H	2SO4 D - NaOl	- E - F	ICL F
NUMBER SIZE TYPE PRESERVATION	VE FILTERED	NUMBER SIZ	E TYPE	PRESERVA	TIVE FILTERED
3 40 mL VOA E	□Y V				□Y □N
2 1 L AMBER F	□Y VN				□Y □N
	□Y □N				MY MN
	Y N				
	Y N				
SHIPPING METHOD: /a= P/1	ATE SHIPPED:	lala	AIDDUL	NUMBED:	
		1/10/08		NUMBER:	NA
REVISED 03/2008	GNATURE: 5	/auclity	DATE SIG	ined:	1/10/09

PROJECT NAME. LE Carpenter	Arriginants Marross (2)	PREI	PARED		UH.	ECKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: U /U	၁/ ဆု BY:	20	DATE: N/23/09
SAMPLE ID: 5W-R-U WELL	DIAMET	ER: 🗌 2"	'	5" ☑ OTI	HER N/A	
WELL MATERIAL: PVC SS IRON	GALVA	NIZED ST	EEL		HER N/A	***************************************
SAMPLE TYPE: GW WW SW] DI		ACHATE	□ отн	HER	
PURGING TIME: DATE:		SAN	MPLE 1	ΓIME: O	940	DATE: (1/10/09
PURGE PUMP	_	PH:	SU		CTIVITY:	umhos/cm
METHOD: BAILER		ORP: _	mV	DO:		mg/L
DEPTH TO WATER:T/ PVC		TURBIDIT	ΓΥ:	- NTU √	λ	
DEPTH TO BOTTOM:T/ P/C		NONE	SLIG	нт 🎁	MODERATE	☐ VERY
WELL VOLUME: LITERS GALL	ONS	TEMPERA	ATURE:	<u>}</u>	OTHER:	
VOLUME REMOVED: LITERS GALL	ONS	COLOR:			ODOR:	
COLOR: ODOR:		FILTRATE	(0.45 dm)	YES	✓ NO	***
TURBIDITY		FILTRATE	COLOR:		FILTRATE C	DOR:
□ NOME □ SLIGHT □ MODERATE □ VI	ERY	QC SAME	PLE: MS/M	ISD	DUP-	
SPOSAL METHOD: GROUND DRUM OTHE	:R	COMMEN	ITS:			
TIME PURGE PH CONDUCTIVITY ORP		о.о. Т	URBIDITY	TEMPERATU	JRE WATE	
RATE CONDUCTIVITY ORP	185	ng/L)	(NTU)	(°C)	LEVEI (FEET	AND AND THE RESERVE OF THE PARTY OF THE PART
		3		()	V	INITIAL
		~				
		XX				
		101				
				<u></u>		

MOTE: STABILIZATION TEST IS COMPLETE WHEI	1 2 51100	ESSIVE D	DEADINGS AD	E MUTUUM 3	FUE FOLLOW	WING LIBERTO
pH: +/- COND.: +/- ORP: +/-	D.O.: 4		TURB: +/-		=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	B - F	HNO3	C - H2SO4	D - NaOH	f E-F	HCL F
NUMBER SIZE TYPE PRESERVATIVE FILT	ERED	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTERED
3 40 mL VOA E Y	✓ N	-				□Y □N
2 1 L AMBER F Y	☑N	1811				TY N
Y	□ N					
				i		
		-,				
SHIPPING METHOD: LOS P/O DATE SHIPP		11010	Q'	AIRBILL N	JI IMRER:	
COC NUMBER: 225672 SIGNATURE:		100	o ti	DATE SIG		11/10/09
PEVISED 03/2008	<u> </u>	/ -122	re y			11/10/06

PROJECT NAME: LE Carpenter		PREF	PARED		CHEC	KED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: (1/	0/09 BY:	40	DATE: 11/23/0
SAMPLE ID: 5W-D-4 WELL	DIAMET	ER: 2"	4"	6" ✓ OTH	ER N/A	<u> </u>
WELL MATERIAL: PVC SS IRON	GALVA	NIZED STI	EEL	✓ отн		
SAMPLE TYPE: GW WW SW] DI	LE	ACHATE	□ отн		
PURGING TIME: DATE:		SAN	/IPLE	TIME: OQ	50 D/	ATE: 11/10/09
PURGE PUMP	-	PH:	s	U CONDUC	TIVITY:	umhos/cm
METHOD: BAILER	_	ORP:	m	V DO:	mg	3/L /
DEPTH TO WATER: T/ PVC		TURBIDIT	ΓΥ:	NTU _	M /	
DEPTH ТО ВОТТОМ: Т/ Р/C		NONE	SLI	GНТ □	MODERATE	☐ VERY
WELL VOLUME: LITERS GALL		TEMPERA	TURE:	°c	OTHER: _	
VOLUME REMOVED: LITERS GALL		COLOR:			ODOR:	
COLOR: ODOR:		FILTRATE	(0.45 um)	YES	✓ NO	
TURBIDITY		FILTRATE			FILTRATE ODG	DR:
	ERY	QC SAMP		MSD	U DUP-	
DISPOSAL METHOD: GROUND DRUM OTHE	R	COMMEN	ITS:			
TIME PURGE PH CONDUCTIVITY ORP (ML/MIN) (SU) (umhos/cm) (mV)		D.O. T	URBIDITY (NTU)	TEMPERATU	RE WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
(III)	(e.	Ng/L/	(110)	(0)	(EEEI)	INITHAL
		\sim				
	1/	1/2				
		``				
NOTE: STABILIZATION TEST IS COMPLETE WHEN	N 3 SUCC	ESSIVE R	READINGS A	RE WITHIN T	HE FOLLOWIN	IG LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.: -	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	B - I	HNO3	C - H2SO4	D - NaOH	E - HC	L F
NUMBER SIZE TYPE PRESERVATIVE FILT	ERED	NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERED
3 40 mL VOA E Y	✓ N					□ Y □ N
2 1 L AMBER F Y	☑ N					□ Y □ N
Y	□N					□ Y □ N
Y	□N					☐ Y ☐ N
Y	□N					YN
SHIPPING METHOD: LAG PA DATE SHIPP	ED: //	1106	7	AIRBILL N	UMBER:	NI
SHIPPING METHOD: AS PIU DATE SHIPP COC NUMBER: 225672 SIGNATURE:		P	116	DATE SIG	NED: //	liploa
REVISED 03/2008		" " "	The same of the sa			110/07

PROJECT NAME: LE Carpenter		PRE	PARED		CHEC	KED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: U/I	0/09 BY:	W	DATE: 11/23/09
SAMPLE ID: 5W-R-6 WELL	DIAMET	ER: 2	."	6" ✓ OTH	ER N/A	*****
WELL MATERIAL: PVC SS IRON	GALVA	NIZED ST	TEEL	✓ отн		
SAMPLE TYPE: GW WW SW] DI		EACHATE	ОТН	10/1	
PURGING TIME: DATE:		SA	MPLE	TIME: 101	< D/	ATE: 11/10/09
PURGE PUMP		PH:	SU			uphos/cm
METHOD: BAILER	_		mV		mg	
DEPTH TO WATER:TX RVC		TURBIDI	ITY:	_ NTUQ		
DEPTH TO BOTTOM:T/ PVC		NONE	≣ ∏ SLIG	HT NA	MODERATE	☐ VERY
WELL VOLUME: LITERS GALLO	ONS	TEMPER	ATURE:	\.e	OTHER: _	
VOLUME REMOVED: LITERS GALLO	SNC	COLOR:		_	ODOR:	
COLOR: ODOR:		FILTRATE	E (0.45 ym)	YES	✓ NO	
TURBIDITY		FILTRATE	,		FILTRATE ODG	DR:
	RY	QC SAM		/ISD	DUP-	
PISPOSAL METHOD: GROUND DRUM OTHE	R	COMME	NTS:		***	
TIME PURGE PH CONDUCTIVITY ORP (ML/MIN) (SU) (umhos/cm) (mV)		D.O. mg/L)	TURBIDITY (NTU)	TEMPERATU	RE WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
		3 - /	()	()	((==:)	INITIAL
		B				
	1	71				
NOTE: STABILIZATION TEST IS COMPLETE WHEN	1 3 SUC	CESSIVE	READINGS AR	RE WITHIN T	HE FOLLOWIN	IG LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.:	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	В-	HNO3	C - H2SO4	D - NaOH	E - HC	L F
NUMBER SIZE TYPE PRESERVATIVE FILT	ERED	NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERED
3 40 mL VOA E Y	✓ N					□ Y □ N
2 1 L AMBER F Y	✓ N					□ Y □ N
Y	□N					□ Y □ N
□ Y	□N	*				□ Y □ N
Y	□N			-		□ Y □ N
SHIPPING METHOD: LAR PLU DATE SHIPPI	ED: /	Holo	9	AIRBILL N	UMBER:	LD
COC NUMBER: 225-672 SIGNATURE:	5		0.K.	DATE SIG		1/10/09
REVISED 03/2008		1000	7			, , , , ,

PROJECT NAME: LE Carpenter		PREF	PARED		СН	ECKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE:///D	/09 BY:	40	DATE: N/23/09
SAMPLE ID: 5	L DIAME	ANIZED ST		√ от	HER N/A HER N/A	
PURGING TIME: DATE:				TIME: 103		DATE: (1/10/00
PURGE PUMP METHOD: BAILER		PH:	SU	CONDU	JCTIVITY:	umhos cm
DEPTH TO WATER: T/ PVC		TURBIDIT		NTU A		mg/L
DEPTH TO BOTTOM: TI PIC		☐ NONE	SLIG	HT.	MODERATI	E □ VERY
WELL VOLUME: LITERS GALI	LONS	TEMPERA	ATURE:	1/3/	OTHER:	
VOLUME REMOVED: LITERS GALI	LONS	COLOR:			ODOR:	
COLOR: ODOR:		FILTRATE	(0.45 um)	YES	✓ NO	
TURBIDITY		FILTRATE	COŁOR:		FILTRATE (ODOR:
	ERY	QC SAME	LE: MS/N	/ISD	DUP-	
SPOSAL METHOD: GROUND DRUM OTH	ER	COMMEN	ITS:			
TIME PURGE RATE (ML/MIN) (SU) (umhos/cm) (mV		D.O. T	(NTU)	TEMPERAT	URE LEVE (FEE	L PURGE VOLUME
pH: +/- COND.: +/- ORP: +/-	D.O.:		READINGS AR TURB: +/-		THE FOLLO	WING LIMITS: TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NON	Е В-	HNO3	C - H2SO4	D - NaO	H E-	HCL F
NUMBER SIZE TYPE PRESERVATIVE FIL	TERED	NUMBER	SIZE	TYPE	PRESERV	ATIVE FILTERED
3 40 mL VOA E	✓ N					☐ Y ☐ N
2 1 L AMBER F Y	□ N					□ Y □ N □ Y □ N □ Y □ N □ Y □ N
SHIPPING METHOD: LAS PLO DATE SHIPP	PED:	11/10/09	7	AIRBILL	NUMBER:	KA
COC NUMBER: 275672 SIGNATURE	= 5	Poul	2	DATE SI		11-10-09
REVISED 03/2008			7			

PROJECT NAME: LE Carpenter		PREF	PARED		CHE	ECKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE:	0/09 BY:	90	DATE: 11/23/09
SAMPLE ID: 5W-D-3 WEL	L DIAME	TER: 2"	4"	6" 🗸 OTH	HER N/A	
WELL MATERIAL: PVC SS IRON	GALV	ANIZED ST	EEL	✓ OTH		
SAMPLE TYPE: GW WW SW [DI	LE	ACHATE	□ ОТН		
PURGING TIME: DATE:		SAN	MPLE	TIME: ///	5-	DATE: 11/10/09
PURGE PUMP METHOD: BAILER		PH:	SL		CTIVITY:	umhos/cm mg/L
DEPTH TO WATER: T/ PVC		TURBIDIT		_ NTU	^	
DEPTH TO BOTTOM:T/ D/C		☐ NONE	SLIG	тн Д	DERATE	☐ VERY
WELL VOLUME: LITERS GALI	ONS	TEMPERA	ATURE:		OTHER:	
VOLUME REMOVED: LITERS GALI	ONS	COLOR:			ODOR:	
COLOR: ODOR:		FILTRATE	(0.45 um)	YES	✓ NO	. 11
TURBIDITY		FILTRATE	COLOR		FILTRATE O	DOR:
	ERY	QC SAMF		/ISD	DUP-	
PISPOSAL METHOD: GROUND DRUM OTH	≣R	COMMEN	ITS:	· · ·		
TIME PURGE PH CONDUCTIVITY ORF			TURBIDITY	TEMPERATU	LEVE	PURGE VOLUME
(ML/MIN) (SU) (umhos/cm) (mV) [(mg/L)	(NTU)	(°C)	(FEET	
				·		INITIAL
		A				
		111				

NOTE: STABILIZATION TEST IS COMPLETE WHE	N 3 SUC	CESSIVE R	READINGS AF	RE WITHIN	THE FOLLOV	VING LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.:	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NON	Ξ В-	HNO3	C - H2SO4	D - NaOH	1 E-I	HCL F
NUMBER SIZE TYPE PRESERVATIVE FIL	TERED	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTERED
3 40 mL VOA E Y	✓ N					□ Y □ N
2 1 L AMBER F Y	✓ N		7/1-			T Y D N
□ Y	□ N			7		TY N
Пү						
		, , , , , , , , , , , , , , , ,				
		1-1-		AIDDULL	U IMPED	
SHIPPING METHOD: LAS Plo DATE SHIPP		10/09	1 (1	AIRBILL 1		KA
COC NUMBER: 225672 SIGNATURE REVISED 03/2008	C	Vaul	W.	DATE SIG	SNED:	11/10/09

PROJECT NAME: LE Carp	enter		PREF	PARED		СН	ECKED
PROJECT NUMBER: 6527.35		BY	SM/SP	DATE: 11	10/09 BY:	90	DATE:11/23/09
7.1.	SS IRON	GALVA	ANIZED STI	EEL	6"	IER N/A	
SAMPLE TYPE: GW]ww ☑sw □	DI	L LE	ACHATE	OTH	IER	
PURGING TIME:	DATE:		SAN	/IPLE	INE: 121	0	DATE: ///10/09
PURGE ☐ PUMP _ METHOD: ☐ BAILER \				S		CTIVITY:	umhos/em
- 17	V PVC		1	Y:			
#111	/ D/C		NONE			MODERATI	Z □ VERY
WELL VOLUME:	LITERS GALLO	NS	TEMPERA	TURE:	<i>°c†</i> /	OTHER:	
VOLUME REMOVED:	LITERS GALLO	NS	COLOR:			ODOR:	
COLOR:	ODOR:		FILTRATE	(0.45 um)	YES	☑ NO	
TURBIC	DITY		FILTRATE	COLOR: _		FILTRATE	ODOR:
NOME SLIGHT M	ODERATE VER	RY	QC SAMP		/MSD	DUP-	
PISPOSAL METHOD: GROUND	DRUM OTHER	₹	COMMEN	TS:	~		
RAIE	ONDUCTIVITY ORP (umhos/cm) (mV)		D.O. T	URBIDITY (NTU)	TEMPERATU (°C)	RE LEVE	L PURGE VOLUME
							INTIAL
			0	1			
		'	1/1/				
			10.				
NOTE: STABILIZATION TES	T IS COMPLETE WHEN	3 8110	CESSIVE B	PEADINGS	NDE WITHIN 7	THE EOU O	WING LIMITS:
pH: +/- COND.: +/-	ORP: +/-	D.O.:		TURB: +/-	or		TEMP.: +/-
BOTTLES FILLED PRESERVAT	IVE CODES A - NONE	В-	НИО3	C - H2SO4	D - NaOH	E-	HCL F
NUMBER SIZE TYPE P	RESERVATIVE FILTE	RED	NUMBER	SIZE	TYPE	PRESERV	ATIVE FILTERED
6 % 40 mL VOA	E Y	☑ N					□ Y □ N
4 2 1L AMBER	F Y	√ N				and the second section of the section of t	Y N
	□Y	□N					□Y □N
	□ Y	□N					□Y □N
	Y	□N					□Y □N
SHIPPING METHOD: /20 P/.	DATE SHIPPE	:D: /	1/10/09	7	AIRBILL N	JI IMPED:	NA
SHIPPING METHOD: LAS PL		.s. <u>/</u> /		0 1 1			
COC NUMBER: 27567 REVISED 03/2008	SIGNATURE:	<u>၂</u>	1 au	wh.	DATE SIG		11-10-09

PROJECT NAME: LE Carpenter		PREF	PARED		CHE	CKED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: 11/12	0/09 BY:	Ø	DATE: 11/23/09
		ER: 2"		1TO ☑ "6	IN/A	
	DI		ACHATE	ОТН	11/7	
PURGING TIME: DATE:		SAN	MPLE :	TIME: 123	25	DATE: /1/10/09
PURGE PUMP METHOD: BAILER		PH:	SU	CONDU	CTIVITY:	umbes/cm
DEPTH TO WATER: T/ PVC		TURBIDIT		_ NTU \ \		ng/L
DEPTH TO BOTTOM: T/ P/C		NONE	·	. 11	MODERATE	UERY
WELL VOLUME: LITERS GALLO	NS	TEMPERA	TURE:		OTHER:	
VOLUME REMOVED: LITERS GALLO	NS	COLOR:			ODOR:	
COLOR: ODOR:		FILTRATE	(0.45 um)	YES	✓ NO	
TURBIDITY		FILTRATE	COLOR:		FILTRATE O	DOR:
NOME SLIGHT MODERATE VEF	₹Y	QC SAMP	LE: MS/N	ISD	DUP-	
DISPOSAL METHOD: GROUND DRUM OTHER		COMMEN	TS:			
TIME PURGE PH CONDUCTIVITY ORP (ML/MIN) (SU) (umhos/cm) (mV)		D.O. T	URBIDITY (NTU)	TEMPERATU	JRE WATER LEVEL (FEET)	PURGE VOLUME
				***************************************		INITIAL

		127				
		H_{II}				
NOTE: STABILIZATION TEST IS COMPLETE WHEN	3 SUCC	CESSIVE R	EADINGS AF	RE WITHIN	THE FOLLOW	/ING LIMITS:
pH: +/- COND.: +/- ORP: +/-	D.O.:	+/-	TURB: +/-	or	=</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A - NONE	В-	HNO3	C - H2SO4	D - NaOH	H E-⊦	ICL F
NUMBER SIZE TYPE PRESERVATIVE FILTE	RED	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTERED
3 40 mL VOA E Y	IJN					□ Y □ N
2 1 L AMBER F Y	√ N					□ Y □ N
□ Y [□N			- ANC		□ Y □ N
□ Y [□N					□Y □N
Y	□ N					□Y □N
SHIPPING METHOD: LAG PLU DATE SHIPPE	D: _ //	1/10/09		AIRBILL 1	NUMBER:	NS
COC NUMBER: 225 673 SIGNATURE:	5	Padek	v	DATE SIG		11/10/09
REVISED 03/2008		Como, (7		<u>-</u>	7, -7 - 1

PROJECT NAME:	LE Ca	rpenter			PREF	PARED		C⊦	IECKED	
PROJECT NUMBE	R: 6527.3	35		BY	SM/SP	DATE: 1/10	o/oq BY:	90	DATE:	1/23/09
SAMPLE ID: 50	N-12-2		WELL	DIAMET	TER: 2"	4"	6" 🗸 OT	HER N/A		
WELL MATERIAL:	PVC	ss 🗆	IRON [GALVA	ANIZED STI	EEL	√ от	HER N/A		,
SAMPLE TYPE:	☐ GW	□ww ✓	sw 🗆	DI	LE	ACHATE	□ от	HER		
PURGING	TIME:	DA	TE:	/	SAN	ЛРLE	TIME: 12	45	DATE:///	10/09
PURGE METHOD:] PUMP] BAILER		/		PH: ORP:	SI		ICTIVITY:	mg/L	umhos/cm
DEPTH TO WATER	: _ , D	T/ PVC			TURBIDIT	ΓΥ:	NTU			
DEPTH TO BOTTOM	N: N	T/ D/C			NONE	☐ SLI	GНТ Д □	MODERAT	É 🗆	VERY
WELL VOLUME:		LITERS	GALLO	ONS	TEMPERA	TURE:	M_{i}^{c}	OTHER:		
VOLUME REMOVE	D:	LITERS	GALLO	ONS	COLOR:			ODOR:		
COLOR:		OD	OR:		FILTRATE	(0.45 um)	YES	✓ NO		
		BIDITY			FILTRATE	COLOR:		FILTRATE	ODOR:	
□ NOME □ SI	LIGHT [MODERATE	U VE	RY	QC SAMP	PLE: MS/	/MSD	DUP-		
DISPOSAL METHOI	D: GROU	ND DRUM	OTHE	R	COMMEN	ITS:				
TIME PURGE RATE (ML/MIN	l tu	CONDUCTIVITY (umhos/cm)	ORP (mV)		D.O. T	URBIDITY (NTU)	TEMPERAT	URE WAT	EL PURGI	ULATIVE E VOLUME L OR L)
								22.000 (100 (100 (100 (100 (100 (100 (100		IITIAL
				NY	\ _					
				B					9	
										•
NOTE: STAR					0500005					
pH: +/-	COND.: +/-	EST IS COMPL ORP:		D.O.:		TURB: +/-		=</td <td>TEMP.:</td> <td></td>	TEMP.:	
BOTTLES FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - NaO	H E	HCL F-	
NUMBER SIZE	TYPE	PRESERVATI	VE FILT	ERED	NUMBER	SIZE	TYPE	PRESER	/ATIVE F	ILTERED
3 40 mL	VOA	E	Y	✓ N						Y N
2 1 L	AMBER	F	Y	☑ N						Y 🔲 N
			□ Y	□N	1					Y N
			Y	□ N						Y N
			Y	□N						Y N
SHIPPING METHOD	LAS P	6 DA	TE SHIPPI	ED:	11/10/09		AIRBILL	NUMBER:	NA	
COC NUMBER:	252.63		GNATURE:		101	<u> </u>	DATE SI		Mala	
REVISED 03/2008					الملاسية /	7			11010	7

PROJECT NAME: LE Carpenter		PREPARED	C	HECKED
PROJECT NUMBER: 6527.35	BY	SM/SP DATE:	0/09 BY: 40	DATE: 11 23 09
SAMPLE ID: RB-0(WELL DIAMET	ER: 2" 4"	6" / OTHER N/A	
	RON GALVA	NIZED STEEL	✓ OTHER N/A	
SAMPLE TYPE: GW WW 🖯	₩ - ⊠oi	LEACHATE	OTHER	
PURGING TIME: DAT	E:	SAMPLE	TIME: /330	DATE: 11/10/09
PURGE PUMP		PH: SU	J CONDUCTIVITY:	umhos/cor
METHOD: BAILER		ORP: m\	V DO:	_ mg/L
DEPTH TO WATER:		TURBIDITY:		
ДЕРТН ТО ВОТТОМ: T/ D/C	7	NONE SLIC	NTK /	
WELL VOLUME: LITERS [GALLONS	TEMPERATURE:	N DIMER:	-
VOLUME REMOVED: LITERS	_ GALLONS	COLOR:	ODOR:	
	R:		YES V NO	
TURBIDITY NOME SLIGHT MODERATE	☐ VERY	FILTRATE COLOR: QC SAMPLE: MS/		E ODOR:
DSPOSAL METHOD: GROUND DRUM	OTHER	COMMENTS:	IVISD DOF	**************************************
	JOINER	COMINIENTS.		
TIME PURGE PH CONDUCTIVITY		D.O. TURBIDITY	I HMPHRANIRE	ATER CUMULATIVE EVEL PURGE VOLUME
(ML/MIN) (SU) (umhos/cm)	(mV) (mg/L) (NTU)	(°C) (F	EET) (GAL OR L)
				INITIAL
PLINSE BLANK ON	SURFACE	WOTER SD.	mpler -	
			•	
NOTE: STABILIZATION TEST IS COMPLET				
pH: +/- COND.: +/- ORP: +	·/- D.O.:	+/- TURB: +/-	or =</td <td>TEMP.: +/-</td>	TEMP.: +/-
BOTTLES FILLED PRESERVATIVE CODES A	- NONE B-	HNO3 C - H2SO4	D - NaOH	E-HCL F
NUMBER SIZE TYPE PRESERVATIVE	E FILTERED	NUMBER SIZE	TYPE PRESE	RVATIVE FILTERED
3 40 mL VOA E	☐ Y ☑ N			□ Y □ N
2 1 L AMBER F	YVN			☐ Y ☐ N
	□ Y □ N			□ Y □ N
	□ Y □ N			☐ Y ☐ N
	Y N			☐ Y ☐ N
SHIPPING METHOD: LAS P/U DAT	E SHIPPED:	11/10/09	AIRBILL NUMBER	. ~
2 200	NATURE:	PPI	DATE SIGNED:	Mintra
REVISED 03/2008	WITOILE. 5	- January	DATE GIONED.	11190

PROJEC	T NAME:	LE C	arpenter				PRE	PARED			CHE	ECKED	15	
PROJEC [*]	T NUMBE	R: 6527	.35			BY	SM/SP	DATE://	9/09	BY:	SO	DATE	=: n/23]	9
SAMPLE	ID: M	W-2.	75		WELL D	IAME	ΤΕR: 🗸 2	"] 6" [OTHE	R	•		
WELL MA	TERIAL:	PVC		☐ IR	ON []	GALVA	ANIZED ST	TEEL		OTHE	 ER	-		_
SAMPLE T	YPE:	☑ GW	WW	S	ν <u> </u>	OI	Li	EACHATE		OTHE	ER			
PUR	GING	TIME: [740	DATE	u/2/0	9	SA	MPLE	TIME	VAR	IFS	DATE: (JARIE	<u>=</u>
PURGE METHOI	-		PERISTOC	Tec	<i>ir</i>		PH: _2				TIVITY: 4		umhos	/cm
	O WATER:	HAILER 4.39	T/ PVC				ORP:	r TY: <i>10</i> 8	nV DC		5.12	mg/L		
	O BOTTOM		_ T/ PVC				NONE				, MODERATE	Г	VERY	
WELL VOL	.UME:	3.66	LITERS	3 🗆	GALLON	18	TEMPER	ATURE: <u>/ </u>		- -	OTHER:			
VOLUME	REMOVED): <u> </u>	LITERS	; [GALLON	18	COLOR:	cle. Dur	sq 50	nding	DDOR:	NO		
COLOR:	Closes	111. Bre	our	ODOR	: NO		FILTRATI	Ē (0.45 um)	YE	s [√ NO			
	148		BIDITY					COLOR:	clr		FILTRATE O	DOR: _	NO	
NONE	SL		MODERAT		☐ VER	Y	QC SAM		S/MSD	[DUP-			
DISPOSAI	L METHOD	: GROU	IND DR	UM	OTHER		COMME	NTS: AIK	= 11/4	+ 00	Z=NA	Ferrou	us Fe =	NA 7.7
TIME	PURGE RATE	PH	CONDUCTION		ORP			TURBIDITY		ERATUR	E WATER		MULATIVI GE VOLUI	
1740	(ML/MIN) 400	(SU) & .44	(umhos/c		(mV)		mg/L)	(NTU)		(°C)	(FEET		BAL OR L) INITIAL	2 Sep
1743	1	8.44	1191		14 -12	_	.50 50	148		5.26		_	Z	
1750	1	8.31	1180		· 5			108	-	5.53	12,40			
2 0-0	, ,		1100	-	- 3	۵.	12	453	/3	5,93	13.05		4	-
		DRU	20											
£ 1	11511	Pumpso	Drey or		19/09		. /.		11	, , ,				
76	ORCE ,	Omp80	racy of	s u	11/00	1 2	on pies	our ll	11010	29 -				
								W-A						
	:													_
	***							***************************************						_
NOT	FE: STABII	IZATION T	EST IS COL	ADI ETE	· MAZILIENI O	SUC	oroowr i	DE A DINIGO		~				
pH: +/-			5 (<100 O					TURB: +/-		or <			: +/- 0.5°	,C
BOTTLES	S FILLED	PRESERV	ATIVE COD	<u>ES</u> A-	NONE	В-	HNO3	C - H2SO4	D-	NaOH	E- F	ICL F		
NUMBER	SIZE	TYPE	PRESERV	ATIVE	FILTER	RED	NUMBER	SIZE	TYI	PE F	PRESERVA	TIVE	FILTERE	
5	40 mL	VOA		4/11/02 1730	□Y [/ N	2	1 L	AME	ER	F		YV	11/10/01 N 1650
1	40 mL	VOA	А		☐ Y [/ N	1	500mL	PLAS	STIC	Α ΄		Y 🗸	N stillet
1	40 mL	VOA	С	*		ZΝ	1	500mL	PLAS	STIC	ВИ	/11/09] Y 🔲	N N
2	1 L	GLASS	С	1650	Y	N	1	1 L	PLAS	TIC	Α		Y 🗸	N Wila
1	125 mL	PLASTIC	· F		Y	/ N] Y 🔲	N OBS.
SHIPPING	METHOD:	LAB	P/U	DATE	SHIPPED): <i>la</i>	1/11/09		AIR	BILL NU	JMBER:	NA		Ī
COC NUME	BER:	22567	5	SIGNA	TURE:	3	Tamb	by	DA ⁻	TE SIGN	IED: <i>Li</i>	11/09		
REVISED (13/2008							\overline{a}						— J

REVISED 03/2008

WATER SAMPLE LOG

PROJECT NAME: LE Carpenter						PF	REPARED			СН	ECKE)
PROJECT	NUMBE	R: 6527.3	35		ВҮ	SM(S)	DATE:	10/09	BY:	90	DAT	TE: 11/23/0
SAMPLE	ID: MW	1-19-12	电量	WELL	DIAMET	ΓER: 🖊	2"	6"] ОТН	IER		
WELL MAT		PVC	 ✓ss [IRON [GALVA	ANIZED	STEEL		ОТН	IER		
SAMPLE T	YPE:	GW	□ww □]sw 🔲	DI		LEACHATE] отн	IER		
PUR	GING	TIME: 15	09	DATE: ((/18/	99		SAMPLE	TIME:	153	'9	DATE:	11/10/09
PURGE	otag	PUMP	BLADOER	·		·		su co		CTIVITY: <u>5</u>	54	umhos/c
METHOD): <u></u>	BAILER				ORP:	164	mV DC):	5.40	mg/L	
DEPTH TO	WATER:	8.40	T/ PVC	-,,		4 .	IDITY: 30	NT	U			
DEPTH TO	воттом	16.70	T/ PVC			NO		_IGHT		MODERATI	Ξ	☐ VERY
WELL VOL	UME:	5.38	LITERS	GALLO	NS	TEMPE	RATURE: /	5.16	_°C	OTHER:		
VOLUME	REMOVED		LITERS	GALLO	NS	COLO	R: <u>CO</u>			ODOR:	<u></u>	<u> </u>
COLOR:	Clous	0	0	DOR: NO	<u> </u>	FILTR/	ATE (0.45 um)		S	✓ NO		
_	_54	1014	BIDITY				TE COLOR: _	CR.		FILTRATE (DDOR:	<i>~~</i>
NONE			MODERATE	VE				S/MSD		DUP-		
DISPOSAI	_ METHOD	: GROU	ND DRUM	A OTHER	₹	COMM	MENTS: Alk	100	C	02115	Fe	Pareus: O.
TIME	PURGE RATE	PH	CONDUCTIVIT	Y ORP		D.O.	TURBIDITY	TEMP	ERATU	IRE WATE		UMULATIVE
	(ML/MIN)	(SU)	(umhos/cm)	(mV)		mg/L)	(NTU)		(°C)	LEVE (FEE		RGE VOLUM (GAL OR/L)
1500	Yao	7.15	528	212		15.	57	14.		8.40		INITIAL
1514	1	7.46	503	162	5	.95	8.0	13.		8.42		7
1519	1.	7.70	503	159	5	84	5.0	13.	14	8.42	2	4
1524	4	7.78	500	160	5.	77	3.0	13.	16	8.42		6
1258		7.76		163		69	30	13.1	•	842		8
1534		7.85	508	163		70	3.0	/3.		8.42	3	10
1539	V	7.86	504	164		70	3.0	13.1		8.42		12
							<i>J. J</i>					
· · · · · · · · · · · · · · · · · · ·												
NO.	TE: STABII	IZATION T	EST IS COMP	LETE WHEN	3 8110	CESSIV	E DEADINGS	ADE WI	THIN 7	THE EULI O	WING	IMITS:
pH: +/-			5 (<100 ORF				% TURB: +/			= 10</td <td></td> <td>P.: +/- 0.5°C</td>		P.: +/- 0.5 °C
BOTTLES	S FÍLLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO	4 D-	NaOl-		HCL	F
NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTE	ERED	NUMB	ER SIZE	TYI		PRESERV		FILTERED
5	40 mL	VOA	E	□ Y	✓ N	2	1 L	AME	BER	F		V V
1	40 mL	VOA	Α		✓ N	1	500mL	PLAS	STIC	А		
1	40 mL	VOA	С	□ Y	☑ N	1	500mL	PLAS		В	.	
2	1 L	GLASS	С	□ Y	☑ N	1	1 L	PLAS		A		
1	125 mL	PLASTIC	F	'	☑ N	<u> </u>	, _	. 27 (0		, ,	.	
			·			11	0.5	1	.D.:::		-11-11	
SHIPPING		,		DATE SHIPPE	19	10/0	2 4 / **				1824	1657 41 ¹
COC NUM	BER:	2586	74 5	SIGNATURE:	ر <u>ي</u> ،	1 our	liky	DA	TE SIC	SNED:	4/10/	109

NA

AIRBILL NUMBER:

DATE SIGNED:

RMT

SHIPPING METHOD: LAB P/O

COC NUMBER:

REVISED 03/2008

225675

WATER SAMPLE LOG

PROJEC	T NAME:	LE Ca	arpenter		Pf	REPARED		CHE	CKED
PROJEC	T NUMBE	R: 6527.	35	B	Y SM/SF	DATE: 4/	/11/09 BY:	90	DATE: 11/23/0
SAMPLE	ID: M	w-29	5	WELL DIA	AMETER: 🔽	2" 4"] 6" 🔲 ОТ	HER	
WELL MA		PVC	Z ss □	IRON G	ALVANIZED	STEEL	от	HER	
SAMPLE T	TYPE:	 GW	ww 🗆	SW D		LEACHATE	от	HER	To the state of th
PUR	GING	TIME: 6	711 D/	ATE: /1/11/09		SAMPLE .	TIME:07	-31	DATE: (\langle \langle \langle \langle
PURGE		PUMP	BLADOES		PH:	7.85		JCTIVITY: 83	37 umhos/c
METHO	D:	BAILER			ORP:	-99	mV DO:	0.71 m	ng/L
DEPTH T	O WATER:	7.80	_ T/ PVC		TURB	IDITY: 4	NTU		
DEPTH T	O BOTTOM	1: <u>14.58</u>	_ T/ PVC		NC	ONE S	LIGHT	MODERATE	☐ VERY
WELL VO	LUME:	4.38	LITERS	GALLONS	TEMPI	ERATURE:	16-00°C	OTHER:	
VOLUME	REMOVED): 8	LITERS	GALLONS					NO
COLOR:	Cio	UOU	OD	OR: ~		ATE (0.45 um)	YES	✓ NO	
	44	TUR	BIDITY	*******		TE COLOR	cla	FILTRATE OF	OOR: 10-8
NONE	☑ SL		MODERATE	☐ VERY		AMPLE: M	$\overline{}$	DUP-	, O. 1. 10 U
DISPOSA	L METHOD	: GROU	ND DRUM	OTHER		MENTS: ALL	224	102 ! 220	Fernas: 7
Title	PURGE					L AIR	5 05 05 AR AR	WATER	
TIME	RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERAT	LEVEL	PURGE VOLUM
	(ML/MIN)		(umhos/cm)	(mV)	(mg/L)	(NTU)	(°C)	(FEET)	(GAL OF L)
07-11	400	7.60	824	50	7.56	47	13.97	7.80	INITIAL
716	1	7.88	836	-58	0.76	7	15.91	7.82	2
577 <i>i</i>		7.88	842	-87	0.21	6	15.98	7.82	4
5726	₹/	7.87	841	-96	0-16	5	15.98	7.82	6
731		7.85	837	-99	0.21	4	16.00	7.82	8
		815	739	-2	and		1011		45
							7.5457		
						,			
NO	TE: STABIL	LIZATION T	EST IS COMPLI	ETE WHEN 3 S	SUCCESSIV	E READINGS	ARE WITHIN	THE FOLLOW	NG LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	+/- D	O.O.: +/- 10	% TURB: +/-	- 10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO	4 D - NaO	H E-H	CL F
NUMBER	SIZE	TYPE	PRESERVATIV				TYPE	PRESERVAT	
2/5	40 mL	VOA	E	Y	N GZ	1 L	AMBER	F	
21	40 mL	VOA	Α	□Y ✓	NZX	500mL	PLASTIC	A	
21	40 mL	VOA	С		NZN	,	PLASTIC	В	VY N
16	1 L	GLASS	С		- -		PLASTIC	A	
3 /						1 -	LASTIC	A	□Y V
[1	125 mL	PLASTIC	F		IN]		1		N L Y

DATE SHIPPED:

SIGNATURE:

225675

COC NUMBER:

REVISED 03/2008

SIGNATURE:

DATE SIGNED:

PROJECT	ΓNAME:	LE Ca	rpenter		PRE	PARED			CHEC	KED	
PROJECT	Γ NUMBEI	R: 6527.	35		BY	SM/SP	DATE: ((11/09	BY: (360 SEC	DATE: 11/23/09
SAMPLE	ID: M	W-8		WELL D	DIAMET	ΤΕR: [2] 2	2"] 6" []	OTHER		
WELL MAT		PVC	ss [IRON	GALVA	ANIZED S	TEEL		OTHER		
SAMPLE T	YPE:	☑ GW	ww [sw 🗆	DI	L	EACHATE		OTHER		
PUR	GING	TIME: 0	840 D	ATE: <i>ίι /ιι/α</i>	29	SA	MPLE	TIME:	0970) D/	ATE:
PURGE		PUMP	Blance			PH: _8	7.53 s	SU CO	NDUCTIV	/ITY: 442	umhos/cm
METHOD	D:	BAILER				ORP:	177 n	nV DO:	Oct	> 7 mg	/L
DEPTH TO	D WATER:	290	T/ PVC	- <u>, , , , , , , , , , , , , , , , , , ,</u>		TURBID	1TY: 78	NTU			
DEPTH TO	о воттом	20.25	T/ PVC				E 🛮 SL	IGHT	□ мо	DERATE	☐ VERY
WELL VOL	.UME:	11.24	LITERS	GALLO	NS	TEMPER	ATURE: 1	201	°С ОТ	HER:	
VOLUME	REMOVED	: 16	LITERS	GALLO	NS		elr				NO
COLOR:	Clu	iou		OOR: NO)		E (0.45 um)	Z YES	; <u></u>	NO	
	43		BIDITY		,	FILTRATE	E COLOR:	SR	FIL	TRATE ODC	DR: 1/20
NONE	☑ SL	IGHT 🗌	MODERATE	U VEF	₹Y	QC SAM	IPLE: MS	MSD		DUP-	
DISPOSAI	L METHOD	: GROU	ND 🗌 DRUM	OTHER	t	СОММЕ	NTS: Alki	100	(GZ	: 25	fereus:
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP		D.O.	TURBIDITY	TEMPE	RATURE	WATER	CUMULATIVE
	(ML/MIN)	(SU)	(umhos/cm)	(mV)	1	mg/L)	(NTU)		°C)	LEVEL (FEET)	PURGE VOLUME (GAL OF L)
O810	400	8.94	432	-96		48	43	11.		7.90	INITIAL
0845-	1	8.55	430	-167	0	30	67	13.1		350	7
0880		8.58	429	-183	0	.13	118	13.1	5	3.50	4
0822	\/	859	479	-187	0.	57.	59	13./	2	3.50	6
Ú.00	Ĭ.	8.59	429	-187	0	्0१	46	130	1	3,50	8
५ ९० <i>९</i>		8.58	430	-187	0.	09	32	13.	57	3.50	10
0810		8.57	432	-185	0.	08	28	13.00)	350	12
2915		854	436	-181	0.	o'7.	27	13.0	Z	3.50	14
65S0	V	8.53	442	-174	O.	67	<i>78</i>	13.) <i>(</i> *	350	16
											i.
NO	TE: STABII	LIZATION T	EST IS COMPL	ETE WHEN	3 SUC	CESSIVE	READINGS	ARE WIT	HIN THE	FOLLOWIN	IG LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	: +/-	D.O.:	+/- 10 %	TURB: +/-	10 %	or =</td <td>10</td> <td>TEMP.: +/- 0.5°C</td>	10	TEMP.: +/- 0.5°C
BOTTLES	S FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D -	NaOH	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI	IVE FILTE	RED	NUMBER	R SIZE	TYP	E PR	RESERVATI	VE FILTERED
5	40 mL	VOA	E	Y	☑ N	2	1 L	AMBI	≣R	F	☐Y ✓N
1	40 mL	VOA	Α	□ Y [✓ N	1	500mL	PLAS	TIC	Α	□ Y ☑ N
1	40 mL	VOA	С	□ Y [✓ N	1	500mL	PLAS	тіс	В	✓Y □N
2	1 L	GLASS	С	Y [✓ N	1	1 L	PLAS	TIC	Α	Y V
1	125 mL	PLASTIC	F	□ Y [✓ N						Y N
SHIPPING	METHOD:	LAS PI	/v D/	ATE SHIPPE	D: <i>t</i>	1/4/09		AIRI	BILL NUM	BER:	NA

PROJECT NAM	E: LE Ca	arpenter	****			PREF	PARED	24 (3) - 12 (3) - 12 (4) - 12 (5) - 12 (6) - 12	CHE	CKED
PROJECT NUM	BER: 6527.	35			вү	SM/SP	DATE: u/	1/09 BY:	40	DATE: 11/23/09
SAMPLE ID:	ATM-C) (WELL	DIAME	TER: 🗸 2"	4"	6" OTH	HER NA	
WELL MATERIAL	PVC	□ss [IRO	N [] GALV	ANIZED ST	EEL	OTH		
SAMPLE TYPE:	☑ GW	□ww [SW		DI	LE	ACHATE	ОТН	HER	
PURGING	TIME:		DATE:			SAN	MPLE	TIME: 09	45	DATE: 11/11/09
PURGE METHOD:	☐ PUMP			- Armin III	- (PH: _			CTIVITY:	umbes/cm
DEPTH TO WATE	BAILER					ORP:		V DO:		<u>1104</u>
DEPTH TO BOTT	. 773	_ T/_PVC				NONE		GHT	MODERATE	☐ VERY
WELL VOLUME:		LITERS		GALL	ONS	TEMPERA		°C	OTHER:	
VOLUME REMOV	ED:	LITERS		GALL	ONS	COLOR:			ODOR:	
COLOR:			ODOR:			FILTRATE	(0.45 um)	YES	NO	
	TÚR	BIDITY	••••			FILTRATE	COLOR:		FILTRATE O	DOR:
□ NOME □	SLIGHT _	MODERATE		VE	RY	QC SAMP	PLE: MS	/MSD	DUP-	
DISPOSAL METH	OD: GROU	ND 🗌 DRU	М	OTHE	R	COMMEN	ITS:			
TIME PURC RATI (ML/M	E PH	CONDUCTIVI	7	ORP (mV)		D.O. T	URBIDITY (NTU)	TEMPERATU	JRE WATEF LEVEL (FEET)	. PURGE VOLUME
	,	(diminol oi)	,			109/2/	(1110)	(9)	SE (PEE)	INITIAL
					1	14				
					1	1/13				
								A-74.		
				A STATE OF THE PARTY OF THE PAR						
							7-11/10/2	****		
								- "		
	BILIZATION 1			WHEN						/ING LIMITS:
pH: +/- 0.1	COND.: +/-	5 (<100 OR	P: +/-		D.O.:	+/- 10 %	TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
BOTTLES FILLE		ATIVE CODE				HNO3	C - H2SO4	D - NaOH		ICL F
NUMBER SIZE		PRESERVA	TIVE	FILT	ERED	NUMBER	SIZE	TYPE	PRESERVA	TIVE FILTERED
5 40 m		E	[Y	☑ N	2	1 L	AMBER	F	☐ Y ✓ N
1 40 m		А	[Υ	✓ N	1	500mL	PLASTIC	Α	□Y ☑N
1 40 m		С	[Y	☑ N	1	500mL	PLASTIC	В	✓ Y N
2 1 L	GLASS	С		Y	☑ N	1	1 L	PLASTIC	Α	☐ Y ☑ N
1 125 n	L PLASTIC	F	[Υ	N					□ Y □ N
SHIPPING METHO	DD: LAB P	lu	DATE S	SHIPPI	ΞD:	4/4/09		AIRBILL N	NUMBER:	NA
COC NUMBER:	7256		SIGNA ⁻	TURE:	3	Van les	E	DATE SIG	SNED:	4/4/09
DEVISED 03/2009							$\overline{}$			

COC NUMBER:

REVISED 03/2008

225675

WATER SAMPLE LOG

PROJECT	NAME:	LE Ca	rpenter		PREPARED CHECKED						KED
PROJECT	NUMBER	R: 6527.	35	E	3Y	SM/SP	DATE: ()	109 1	SY: c	×0	DATE: ules/09
SAMPLE II	D: MW	-25/R	À	WELL DI	AMET	ΓER: 🔏	2"	6"	OTHER	. 1	
WELL MATE		PVC	✓ss □	IRON 🔲 0	SALVA	ANIZED	STEEL		OTHER		The state of the s
SAMPLE TY	PE:	∕ GW	□ww □	SW [][)I		LEACHATE		OTHER	***	
PURG	ING	TIME: (C	222 DA	TE: il/il/c	99	S	AMPLE	TIME: /	135	DA	ATE: 11/11/09
PURGE		PUMP	BLASOFR	<u> </u>		PH:	4,7	U CON	IDUCTIV	ITY: 72	6umhos/cm
METHOD:		BAILER				ORP:	-44 m	V DO:	0.8	mg mg	ı/L
DEPTH TO	WATER:	2.40	T/ PVC			TURBI	DITY: 12	NTU			
DEPTH TO	воттом	9,63	T/ PVC			Пио			МО	DERATE	☐ VERY
WELL VOLU			LITERS	GALLON		TEMPE	RATURE: 10	<u>.94</u> .	с отн	HER:	
VOLUME RI			LITERS	GALLON	IS	COLO	R: <u>cloupy</u>		OD	OR: <u>1</u>	<u> </u>
COLOR:	U.B.		OD	OR: <u> </u>	· · · · ·	FILTRA	TE (0.45 um)		V	NO	
	ક્કપ	· ION	BIDITY	_0				OR.	FIL	TRATE ODO	DR: NO
NONE			MODERATE	VER	Y	ļ	MPLE: MS			DUP-	
DISPOSAL	METHOD	: GROU	ND DRUM	OTHER		СОММ	ENTS: AIK	70	COS	: 20	FERROUS ! Z.
TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)		D.O. mg/L)	TURBIDITY (NTU)	TEMPER		WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL ORL)
1035	400	8.40	760	-14		50	534	10.69		2.40	INITIAL
1040	ſ	8.34	721	-20	1	10	576	16.7		2.97	2
1045		8.25		-24		.91	302	10.39	-	3.35	4
1050		8.15	736	-78	0.	66	123	16.40)	3.60	6
1055	V	8.13	741	-30	0.	44	114	10.45	· · · · · · · · · · · · · · · · · · ·	3.40	8
1(60		8.14	738	-32		.23	115	10.50	3	3.80	16
1165		8-11	735	-36	0.	70	153	10-59		3.90	12
1110		8.11	735	-38	0.	18	164	10.67		3.98	14
1115		808	727	-39	0.	19	158	10.73		4.00	16
1120	V	8.05	726	-40	0	.79	/31	10.80	A. A	4.04	18
NOTE	E: STABIL	IZATION T	EST IS COMPLI	ETE WHEN 3	SUC	CESSIV	E READINGS A	RE WITH	IIN THE	FOLLOWIN	IG LIMITS:
pH: +/- 0			5 (<100 ORP:				% TURB: +/-		or =</td <td></td> <td>TEMP.: +/- 0.5°C</td>		TEMP.: +/- 0.5°C
BOTTLES	FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - N	аОН	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVATI	/E FILTER	RED	NUMBI	ER SIZE	TYPE	PR	ESERVATI	VE FILTERED
5	40 mL	VOA	Е	□ Y [N	2	1 L	AMBE	₹	F	□Y ✓N
1	40 mL	VOA	А	□ Y [N	1	500mL	PLAST	С	Α	□ Y ☑ N
1	40 mL	VOA	С	□ Y	N	1	500mL	PLAST	С	В	✓Y □N
2	1 L	GLASS	С	☐ Y [N	1	1 L	PLAST	С	Α	□Y ☑N
1	125 mL	PLASTIC	F	□ Y □	N						□ Y □ N
SHIPPING M	1FTHOD:	LAR PI	() DA	TE SHIPPED). ,	a/u/0	9	AIRRI	II NUM	RER.	

SIGNATURE:

DATE SIGNED:

WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter		PREF	ARED				CHEC	KED
PROJECT NUMBER:	6527.35	BY:	SM/SP	DATE: ((u/c	19	BY:	40	DATE: 11/23/09

MW-	

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL ON L)
1125	400	8.06	724	-41	0.61	117	10.84	4.10	20
1130	i	8.07	726	-42	0.82	119	10.89	4.19	22
1135		8.11	726	-44	0.82	121	10.94	4.25	24
	V								
				1					
								·	
• 2									
	۷.		-						

B. Paulity

DATE SIGNED: u/u/oq

225676

SIGNATURE:

DATE SIGNED:

COC NUMBER:

REVISED 03/2008

PROJEC [*]	T NAME:	LE Ca	rpenter			PR	EPARÉD		CHEC	CKED
PROJEC [*]	T NUMBE	R: 6527.	35		BY	SM/SP	DATE:	OP BY:	90	DATE: 11/23/09
SAMPLE	ID: M	W-30 B		WELL	DIAMET	TER:	2"	6" OTH	HER	
WELL MA		PVC	ss [IRON [GALVA	ANIZED S	STEEL	□ отн	HER	
SAMPLE 7	YPE:	⊠ GW	□ww □	sw 🗌	DI		LEACHATE	П ОТН	HER	
PUR	GING	TIME: 13	35 D	ATE: ((/((/	109	S	AMPLE *	TIME: /4	25 D	ATE: 11/11/09
PURGE	2.	PUMP	DEDICATED	Bloose	Z				СТIVITY: <u>63</u> 3	umhos/cm
METHO	D:	BAILER				ORP:		nV DO:	<i>O. (&</i> m	g/L
DEPTH TO	O WATER:	<u>3.40</u>	_T/ PVC			TURBI		NTU		
DEPTH TO	о воттом	22.28	_ T/ PVC			NON	NE 🗌 SL	IGHT	MODERATE	☐ VERY
WELL VOI	_UME:	12.23	LITERS	GALLO	ONS	TEMPE	RATURE: /	<u>≥.61 °C</u>	OTHER: _	
VOLUME	REMOVED		LITERS	GALLO	ONS	COLOF	: <u>le</u>		ODOR:	NO
COLOR:	HEAUG	ORRAGE	floe or	OOR: <u> </u>	<u> </u>	FILTRA	TE (0.45 um)		✓ NO	
l	7/000	TUR	BIDITY	p				Ur_	FILTRATE OD	OR: NO
NONE	SL		MODERATE	VE	RY		MPLE: MS		DUP-	
DISPOSA	L METHOD	: GROU	ND DRUM	OTHER	₹	СОММІ	ENTS: AIK:	50 C	Dr: 11	fenans: 7.0
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP	1 1 1	D.O.	TURBIDITY	TEMPERATU	JRE WATER	CUMULATIVE
	(ML/MIN)	(SU)	(umhos/cm)	(mV)		mg/L)	(NTU)	(°C)	LEVEL (FEET)	PÜRGE VOLUME (GAL ON)
1735	400	8.36	761	137		55	> 1000	12:30	5.40	INITIAL
1340	1	8.45	614	- 5		.54	507	12.61	3.40	2
1345	100	8.49	629	-68	0.	.78	45	12.62	3.40	4
1350	V	8.60	627	-9Z	O.	21	33	12.61	3.40	6
1355	1 _	8.63	627	-103	0.	21	23	12.61	3.40	8
1400		8.63	631	-110	0.	,19	18	12.61	3.40	10
1405		8.69	630	-113	0.	20	15	12.59	3.40	12
1410		8.69	633	-116	O.	19	14	12.61	3.40	14
1415		8.68	633	-117	0	18	13	12.60	3.40	16
1420	V	8.68	634	-119	0.	19	//	12.61	3.40	18
NO	TE: STABIL	IZATION T	EST IS COMPL	ETE WHEN	3 SUC	CESSIVE	READINGS A	ARE WITHIN	THE FOLLOWI	NG LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	+/-	D.O.:	+/- 10 %	6 TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
BOTTLE	S FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - NaOl	H E-H0	DL F
NUMBER	SIZE	TYPE	PRESERVATI	VE FILTE	ERED	NUMBE	R SIZE	TYPE	PRESERVAT	IVE FILTERED
5	40 mL	VOA	E	□ Y	☑ N	2	1 L	AMBER	F	□Y ✓N
1	40 mL	VOA	А	□ Y	✓N	1	500mL	PLASTIC	Α	□ Y ☑ N
1	40 mL	VOA	С	Y	☑ N	1	500mL	PLASTIC	В	✓ Y □ N
2	1 L	GLASS	С	□Y	☑ N	1	1 L	PLASTIC	Α	□Y ✓N
1	125 mL	PLASTIC	F	Y	IJN					□ Y □ N
SHIPPING	METHOD:	FEDE	Ex Di	ATE SHIPPE	ED:	11/4/0	9	AIRBILL I	NUMBER: 86	4 1657 4185

WATER SAMPLE LOG (CONTINUED FROM PREVIOUS PAGE)

PROJECT NAME:	LE Carpenter		PREF	PARED			CHE	CKED
PROJECT NUMBER:	6527.35	BY:	SM/SP	DATE: (1)	lufoq	BY:	40	DATE: 11/23/09

SAMPLE ID: MW-300

TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIVITY (umhos/cm)	ORP (mV)	D.O. (mg/L)	TURBIDITY (NTU)	TEMPERATURE	WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
1425	400	8.68	635	-119	0.18	9	12,61	3.40	70
								730.	
								W. C. C.	
						<u> 15. U</u>			
, , ,						444			
				-					
								1	
		27-201-1							
								J.,	
	7.1								
	JOHN CO.								

S. Pawleky

DATE SIGNED: U/II/09

REVISED 03/2008

PROJECT	NAME:	LE Ca	rpenter			PR	EPARED			CHEC	KED
PROJECT	NUMBEF	R: 6527.3	35		BY	SM/SP	DATE: (i/	4/19	BY: c	(Sk	DATE: 11/23/09
SAMPLE II	D: Mu	v-30 i		WELL (DIAMET	ΓER: 🇷	2" 4"] 6" 🔲	OTHER		
WELL MATE		PVC	Z ∕ss □] IRON 🔲	GALVA	ANIZED S	STEEL		OTHER		
SAMPLE TY	/PE:	⊠ GW	ww []sw 🔲	DI		LEACHATE		OTHER		
PURG	SING	TIME: /	149 D	ATE: /////	109	S	AMPLE	TIME: /	1534	1 D/	ATE: % /11/09
PURGE		PUMP	BIDDOER	***	•	PH:	8 .46 s	SU CON	IDUCTIV	/ITY: <u>\$7</u>	umhos/cm
METHOD:		BAILER				ORP:	-148 n	nV DO:	0.1	o mg	ı/L
DEPTH TO	WATER:	3.42	T/ PVC			TURBII	DITY: ZO				
DEPTH TO			T/ PVC			NOI	NE Z SL	IGHT	МС	DERATE	☐ VERY
WELL VOLU			LITERS	GALLO	NS	TEMPE	RATURE:		с от	HER: _	
VOLUME R	EMOVED:	18	LITERS	GALLO	NS	COLOF				OR: _4	<i>vo</i>
COLOR:		arge	OI	DOR: NO	<u> </u>		TE (0.45 um)			NO	
	7/000		BIDITY				TE COLOR:		FIL	TRATE ODG	DR: 1/0
NONE			MODERATE	VEI			MPLE: MS			DUP-	
DISPOSAL	METHOD:	∐ GROUI	ND DRUM	OTHER	₹	СОММ	ENTS: Alk	: 100	COZ 5	18 1	eanus: 14
TIME	PURGE RATE	PH	CONDUCTIVITY			D.O.	TURBIDITY	TEMPER		WATER LEVEL	CUMULATIVE PURGE VOLUME
ľ	(ML/MIN)	(SU) 8. 79	(umhos/cm)	(mV)		mg/L)	(NTU)		C) 1	(FEET)	(GAL OF L) INITIAL
1449	400		871	-70		34	7 (600	11.6		3.42	
1454	1	8.36		-/20		72	82	17.8		3.42	7
1459		8.41	883	-134		37	50	17.8		3.42	4
1504	J_	8.39	885	-138	0.	.24	37	128		3.42	6
1509		8,41	880	-147	0	.16	29	17.	-	3.42	8
1514		8-39	880	-143	0	ll	26	12.9	7	3.42	10
1519		8.43	878	-145	0.	10	26	12.9	3	342	12
1524		8.43	879	-146	0	, (b	21	17.9	Z	7.42	14
1529		8.46	878	-147		.08	21			3.42	16
1534	V	8.46	878	-148		.70	70	17.9		3.42	18
NOTI	E: STABIL	IZATION T	EST IS COMPL	ETE WHEN	3 SUC	CESSIVI	E READINGS	ARE WITH	IN THE	FOLLOWIN	NG LIMITS:
pH: +/- 0			5 (<100 ORP				6 TURB: +/-		or =</td <td></td> <td>TEMP.: +/- 0.5°C</td>		TEMP.: +/- 0.5°C
BÖTTLES	FILLED	PRESERV	ATIVE CODES	A - NONE	В-	HNO3	C - H2SO4	D - N	laOH	E - HC	L F
NUMBER	SIZE	TYPE	PRESERVAT			NUMBE	1	TYPE		RESERVATI	
5	40 mL	VOA	E		✓ N	2	1 L	AMBE		F	Y VN
1	40 mL	VOA	A		IJN	1	500mL	PLAST		Α	□Y ☑N
1	40 mL	VOA	С] 	1	500mL	PLAST		В	✓ Y □ N
2	1 L	GLASS	C		☑ N	1	1 L	PLAST		A	
1	125 mL	PLASTIC	F		√ N					, ,	Y N
CHIDDING 1	/ETUOD					1.1.1.		14175	11 1 5" "	ADED: 6	
SHIPPING N		FEOF		ATE SHIPPE	:D:	111100	()	· I		IBER: 8/6	54 1657 40
COC NUMBI	⊢K	700 C 7	L/ S	IGNATI IRE]	8 /_	A. h	IDATE	SIGNE	ii)· /	1111100

PROJECT	NAME:	LE Ca	rpenter		PF	REPARED		CHE	CKED
PROJECT	NUMBE	R: 6527.	35 [′]	ВҮ	SM/SP	DATE:	11/09 BY:	40	DATE: 11/23/09
SAMPLE	ID: M	w-30s		WELL DIAN	/IETER: 🖊	2"] 6" □ OTH	IER	
WELL MAT		PVC	⊈ ss □	IRON GAI	LVANIZED	STEEL	□ от⊦	IER	
SAMPLE T	YPE:	GW GW	□ww □	SW 🗌 DI		LEACHATE	□ отн	IER	
PURC	SING	TIME: /6	5/3 D/	ATE: //////69	?	SAMPLE	TIME:/6 \$	3 [DATE: U/U/UP
PURGE METHOD):	PUMP	Bloomer	· 	PH: ORP:			CTIVITY: <u>%</u> ラノイ m	<u>6</u> umhos/cm
DEPTH TO) WATER:	3.64	T/ PVC			IDITY: 9	NTU		
DEPTH TO	BOTTOM	12.09	J/ PVC		☑ NC	NE SL	IGHT	MODERATE	☐ VERY
WELL VOL		5.48	LITERS	GALLONS	TEMP	ERATURE: <u>/</u>		OTHER: _	
VOLUME F	REMOVED	: 16	LITERS	GALLONS	COLO	R: <u>Clr</u>		ODOR:	00
COLOR: 4	t Brown	w/GcA	<u> </u>	OR: <u> </u>	FILTR/	ATE (0.45 um)		✓ NO	
_	425		BIDITY			TE COLOIN.	la_	FILTRATE OD	OOR: MO
NONE	SL		MODERATE	☐ VERY		AMPLE: MS		DUP-	
DISPOSAL	METHOD	: GROU	ND DRUM	OTHER	COM	MENTS: Alk	+0 0	02175	feeeus!
TIME	PURGE RATE	PH	CONDUCTIVITY	ORP	D.O.	TURBIDITY	TEMPERATU	RE WATER	CUMULATIVE PURGE VOLUME
	(ML/MIN)	(SU)	(umhos/cm)	(mV)	(mg/L)	(NTU)	(°C)	(FEET)	
1613	400	864	898	-77	9.47	425	11.06	3.64	INITIAL
1618	i	8.52	905	-131	0.95	381	11.84	3.78	7
1623		8.51	904	-142	0.54	153	11.97	3.78	4
1628	1	853	906	-146	0.34	54	12.03	3.78	6
1633	1	8.55	905	-147	0.26	35	12.12	3.78	8
1638		8.56	905	-149	0.19	22	121	3.78	
1643		8.56	906	-150	0.16	17	12.15	3.78	
1648		8.57	905	-150	0.15	12	17.18	3.48	14
1653	V	8.57	906		0.14	9	1218	3.78	16
NOT	E: STABII	LIZATION T	EST IS COMPL	ETE WHEN 3 S	UCCESSIV	E READINGS	ARE WITHIN 1	THE FOLLOW	ING LIMITS:
pH: +/-	0.1	COND.: +/-	5 (<100 ORP:	+/- D.0	O.: +/- 10	% TURB: +/-	10 % or	= 10</td <td>TEMP.: +/- 0.5°C</td>	TEMP.: +/- 0.5°C
BOTTLES	FILLED	PRESERV	ATIVE CODES	A - NONE	B - HNO3	C - H2SO4	D - NaOH	I E-H	CL F
NUMBER	SIZE	TYPE	PRESERVATI	VE FILTERE	O NUMB	ER SIZE	TYPE	PRESERVAT	TIVE FILTERED
5	40 mL	VOA	Е	Y	N 2	1 L	AMBER	F	□Y ☑ N
1	40 mL	VOA	Α	Y	N 1	500mL	PLASTIC	Α	□ Y ✓ N
1	40 mL	VOA	С	_ Y 🗸	N 1	500mL	PLASTIC	В	✓ Y □ N
2	1 L	GLASS	С	□ Y ✓	N 1	1 L	PLASTIC	Α	□Y ✓ N
1	125 mL	PLASTIC	F	□ Y ✓	N				□ Y □ N
SHIPPING	METHOD:	FEO EX	_ DA	ATE SHIPPED:	ufulo	·9	AIRBILL N	NUMBER:	F654 7657 41
COC NUME		72567		GNATURE:	ufulo S. Fam	leb -	DATE SIG		u/4/09
REVISED (2/2009		,	-	, -,	- O			and the frame of

COC NUMBER:

REVISED 03/2008

WATER SAMPLE LOG

PROJECT NAME: LE Carpenter		PREP	ARED		CHECK	ED
PROJECT NUMBER: 6527.35	BY	SM/SP	DATE: (1/12	on BY:	do ok	DATE: 11/23/09
SAMPLE ID: MW-28; WELL MATERIAL: PVC SS IRO	WELL DIAMET	TER: 2" ANIZED STE		OTHER		
SAMPLE TYPE: GW WW SW	☐ DI	LEA	CHATE	OTHER		
PURGING TIME: /340 DATE:	1/12/09	SAM	PLE -	TIME: 1470	DAT	E: 4/12/09
PURGE PUMP BINDOLO BAILER		PH: <u>8.</u> ORP: <u>-</u> 6	<u>43</u> s∪	CONDUCTIV	/ITY: 8728	umhos/cm
DEPTH TO WATER: 6.28 T/ PVC		TURBIDIT	y: <u>76</u>	_ NTU		
DEPTH TO BOTTOM: 2281 T/ PVC		NONE	SLIG	HT MO	DERATE	VERY
	GALLONS	TEMPERAT	TURE: 13.	CC OT	HER:	
	GALLONS	COLOR:	<u>der</u>		OR: <u>MO</u>)
COLOR: Clood ODOR:	No		(0.45 um)		NO	
76 TURBIDITY NONE SLIGHT MODERATE	VERY	FILTRATE C	COLOR: COLOR: MS/N		TRATE ODOR	
DISPOSAL METHOD: GROUND DRUM	OTHER	COMMENT	rs:Alk:~	70 Or	: 18	Fernos: 2
TIME PURGE PH CONDUCTIVITY (ML/MIN) (SU) (umhos/cm)			JRBIDITY (NTU)	TEMPERATURE (°C)	WATER LEVEL F (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
		- 1	76	12.81	1.28	INITIAL
1345- 1 8.24 826 -9	55 a	169 /	25	13.19	6.28	Z
1350 8.75 830 -1	101 0	36 E	60	13.19	6.78	4
	119 6		10	13.15	6.28	6
7	Z9 0	0.19 3	' <i>4</i>	13.19	6.78	8
1405 8.46 828 -1	37 0.	.16 3	0	13.19	6.78	10
1410 8.41 826 -1	141 0	14 2	7	13.20	6.28	12
1415 8.35 878 -1	43 0	0.14 2	6	13.21	6.28	14
				13.21	6.28	16
NOTE: STABILIZATION TEST IS COMPLETE	WHEN 3 SUC	CESSIVE RI	EADINGS AF	RE WITHIN THE	FOLLOWING	LIMITS:
pH: +/- 0.1 COND.: +/- 5 (<100 ORP: +/-	D.O.:	+/- 10 %	TURB: +/- 1	0 % or =</td <td>10 TE</td> <td>EMP.: +/- 0.5°C</td>	10 TE	EMP.: +/- 0.5°C
BOTTLES FILLED PRESERVATIVE CODES A - N	NONE B -	HNO3	C - H2SO4	D - NaOH	E - HCL	F
NUMBER SIZE TYPE PRESERVATIVE	FILTERED	NUMBER	SIZE	TYPE PR	ESERVATIVE	FILTERED
10 % 40 mL VOA E	YVN	42	1 L	AMBER	F	□Y ✓N
2 / 40 mL VOA A [YVN	21	500mL	PLASTIC	А	□ Y ☑ N
9 /1 40 mL VOA C	YVN	ZX	500mL	PLASTIC	В	✓ Y □ N
4 2 1 L GLASS C [YVN	21	1 L	PLASTIC	Α	☐ Y ✓ N
21 125 mL PLASTIC F	YVN					□ Y □ N
SHIPPING METHOD: FROEX DATES	SHIPPED: 6	11/12/04	?	AIRBILL NUM	BER: #654	1 1657 4196

DATE SIGNED:

PURGE METHOD: DEPTH TO	D: MUERIAL: PE: ING WATER:	PVC GW TIME: / 9 PUMP BAILER	⊠ss □ww	☐ IRON ☐ SW DATE:	N G	MET ALV <i>A</i>	SM/SP ER: 2" ANIZED ST		BY: 6" OTH		DATE:	W23/09
PURGE PURGE METHOD: DEPTH TO MELL VOLU	ERIAL: PE: ING WATER:	PVC GW TIME: / 9 PUMP BAILER	WW SIZ	☐ IRON ☐ SW DATE:	N G	ALVA	ANIZED ST					200 1002
PURGE PURGE METHOD: DEPTH TO MELL VOLU	ERIAL: PE: ING WATER:	PVC GW TIME: / 9 PUMP BAILER	WW SIZ	SW DATE:	D			EEL	Потн	IED	- 7	
PURGE PURGE METHOD: DEPTH TO DEPTH TO WELL VOLU	ING Z	TIME: / S PUMP BAILER	512	DATE: ja								
PURGE METHOD: DEPTH TO DEPTH TO	WATER:	PUMP BAILER			11 mlac			ACHATE	□ отн	IER		
METHOD: DEPTH TO DEPTH TO VELL VOLU	WATER:	BAILER	13/09per		4140	?	SAN	ИPLE	TIME:/5	37	DATE: 11	112/09
DEPTH TO				•			PH: <u>8</u>	52 si 143 m		CTIVITY: 8	子 ア mg/L	umhos/cr
ELL VOLU	BOTTOM:	2.30	T/ PVC				TURBIDIT		NTU			
		17.62	T/ PVC				NONE	SLI	знт 🗌	MODERATE		VERY
	JME: 7	1.33	LITERS	. [] (SALLONS	3		TURE: 13	? <u>75′</u> °C	OTHER:		
OLUME R	EMOVED:	10	LITERS		ALLONS	3	COLOR:	<u>clr</u>		ODOR:	no	
COLOR:	Clowa	1		ODOR: _	No		FILTRATE	(0.45 um)	YES	✓ NO		
	212	TUR	BIDITY				FILTRATE	COLOR:	lr	FILTRATE O	DOR:	0
NONE	SLI	GНТ 🖊	MODERATE		VERY	•		PLE: MS/		DUP-		_
DISPOSAL	METHOD:	GROUI	ND 🗌 DRU	JM 🛮 C	THER		COMMEN	ITS: L(K!	70 C	02:20	Fear	axs!
TIME	PURGE RATE (ML/MIN)	PH (SU)	CONDUCTIV		ORP (mV)			URBIDITY (NTU)	TEMPERATU	JRE WATER LEVEL (FEET	PURGI	ULATIVE E VOLUME LL OR(L)
	400	8.56	787		<u>~~</u> 58			212	12.81	630		IITIAL
5/7	1	8.55			75			123	13.72	6.30		?
572		8-55	<u>.</u>		40			40	13.23			<i>i</i>
527		8.54	830	-	15		.37	18	13.22	6.30	,	»
532	V	8.56	829		45	0.	38	11	13.73	630	0 8	>
537		8.52	830	~/	43		.40	6	13.25	6.30) /	Ö
NOT pH: +/- (EST IS COM 5 (<100 OF						RE WITHIN T	THE FOLLOV		TS: +/- 0.5°C
BOTTLES	FILLED	PRESERV	ATIVE CODE	<u> S</u> A - N	IONE	В-	HNO3	C - H2SO4	D - NaOl	1 E-1	HCL F-	
IUMBER	SIZE	TYPE	PRESERV	ATIVE	FILTER	ED	NUMBER	SIZE	TYPE	PRESERVA	TIVE F	ILTERED
5	40 mL	VOA	E] Y 🔽] N	2	1 L	AMBER	F		YVN
1	40 mL	VOA	А	E] Y 🔽] N	1	500mL	PLASTIC	А		ΥVN
1	40 mL	VOA	С] Y 🗸] N	1	500mL	PLASTIC	В	V	Y N
2	1 L	GLASS	С] Y 🗸] N	1	1 L	PLASTIC	А		Y V
1	125 mL	PLASTIC	F		Y] N						Y N
HIPPING N	//ETHOD:	FEOEX	6	DATE S	HIPPED:		12/09		AIRBILL I	NUMBER:	8654 B	657 4
OC NUMB	ER:	Zz56	78	SIGNAT		3	Parl	1	DATE SIG		1/12/08	

PROJECT NA	ME:	LE Ca	rpenter			PRE	PARED ,			CHEC	KED
PROJECT NU	MBER:	6527.3	35		BY	SM/SP	DATE:[[]	7/09 B	Y: •	40	DATE: 11 23 09
SAMPLE ID:	17cs	-02	حا	WELL	DIAME"	TER: 2	"	6" 🗸 (OTHER	N/A	
WELL MATERIA	۹L: [PVC	ss	☐ IRON ☐] GALV	ANIZED S	ΓEEL	V (OTHER	N/A	
SAMPLE TYPE:	: [] GW	□ww '	⊠ sw . X	DI		EACHATE		THER		
PURGING	G 7	IME:		DATE:		SA	MPLE	TIME:/	100	D	ATE 11/12/08
PURGE METHOD:	=	UMP				PH: _			DUCTIV		umboe/cm
DEPTH TO WA		AILER	T/ PVC		-	ORP: _		.ОО И т и	4		}//-
DEPTH TO BO		1/1	T/ D/C			☐ NONI		GHT	MOI	DERATE	☐ VERY
WELL VOLUME			LITERS	GALLO	ONS	TEMPER	ATURE:	°(ОТН	IER:	
VOLUME REMO	OVED:_		LITERS	GALLO	ONS	COLOR:	dr		ODO	 DB;	NO
COLOR:				ODOR:		FILTRAT	E (0.45 um)	YES		NO	
		TURI	BIDITY			FILTRATE	COLOR:	<u></u>	FIL	TRATE ODG	OR:
□NOME [SLIG		MODERATE	E UE	:RY	QC SAM		/MSD		DUP-	
DISPOSAL ME	THOD:	GROU	ND 🗌 DRI	JM 🗌 OTHEI	R	СОММЕ	NTS:				
TIME R	RGE ATE /MIN)	PH (SU)	CONDUCTIV			D.O. mg/L)	TURBIDITY (NTU)	TEMPER		WATER LEVEL (FEET)	CUMULATIVE PURGE VOLUME (GAL OR L)
(0)-	31011114	(00)	(arrined or	(1114)		mg/c/	(1110)	(.0		(1,441)	INITIAL
	/Cinz	SE /S	can k	on R	m T	612,	B100cer	PUN	4	•	
NOTE: S	TARII 17	ATION T	EST IS COM	IPLETE WHEN	1 3 6110	CESSIVE	DEADINGS A	DE WITH	IN THE	EOLLOWII	NG LIMITS:
pH: +/-)ND.: +/-		RP: +/-	D.O.:		TURB: +/-		or =</td <td></td> <td>TEMP.: +/-</td>		TEMP.: +/-
BOTTLES FILI	LED P	RESERV	ATIVE CODI	S A - NONE	В-	HNO3	C - H2SO4	D - Na	aOH	E - HC)L F
NUMBER SI	IZE	TYPE	PRESERV.	ATIVE FILT	ERED	NUMBER	SIZE	TYPE	PR	ESERVATI	VE FILTERED
5 8 40) mL	VOA	E	□ Y	✓ N	1	125 AL	Plossic	٠.	1º	□ Y IN
2 1	1 L .	AMBER	F	□ Y	☑ N	/	500 MC	Plast	1	A	U Y N
1 40	mi	COA	A	□ Y	N	1	500 ml	Plisa.		15	OY N
		(XO)	C	□ Y .	N	l	12	PLIST		$\overline{\mathcal{A}}$	UY N
2 1		ZASS	C	Y	N			()()		- 1	☐ Y ☐ N
SHIPPING MET				DATE SHIPPI	ED: U	112/00)	AIRBI	L NUM	BER: 🙎	654 1657 4
COC NUMBER:		256		SIGNATURE:			10		SIGNE		1/12/09
REVISED 03/20			, ,			, <u>, , , , , , , , , , , , , , , , , , </u>	7				1.00

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Lancaster

_Group# _Sample #_

_		·	_(∞					7	<u>_</u>										10 N						-	0F	5	2
Type IV (CLP SOW)	Type III (Reduced NJ)	Type I (validation/NJ Reg) Type II (Tier II)	Data Package Options (please circle if required)	E-mail address: DENNIFOR , OUERUCORDE	Phone #: 6/6-975 - 54/5	Rush results requested by (please circle):	Date results are needed:	(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)	SW-D-Z	SE- D- 8	SE-R-S	5w- R-6	NS- D-4	SW-R-4	50-12-3	Sw- 12-1	Sw. D-S	DRC-02	Sample Identification	Name of state where samples were collected:	Sampler: Doort Awork	Project Manager: フミッシッチミス	TOJECK INGILIE/#: Vale Care	11	Client: RMI Two		Lapulatulies	Lancaster
(If yes, indicate QC sample and submit triplicate volume.) Internal COC Required? Yes / No	ific C	TX TRRP-13 MA MCP CT RCP	se circle if required)	C. OUERUCORDE @	Fax #: 6/6-975-1098	lease circle): Phone	:	er (TAT) (please circle) or Laboratories approval a	11/1			C			1/10	11/10	u/r	11/	Co	were collected: NJ	AWLOKIEWICZ	- Overavoorage	7	04 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			S	Acct. #
? Yes / No	SD/Dup)?	Yes	SD	IJ	01.52	Fax		nd surchan	10	(0/00	10 Oct	0/09	03	10/09	0/03	pole	10/091	/c/ca	Date Collected	9	Quote #:	P.O.#: 65	עלטוס	#. CIO/WD	Acct. #:		70	#
	Yes No	es No	SDG Complete?	rmtinc.com	186	E-mail		rge.)	7	1115	1030	1015	2950	0440	0930	0910	2580	0840	Time Collected			55.7.35		ŧ.			Please print. Instructions on reverse side correspo	
		Re	.3	R		(Z	1		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	×	×	*	×	×	×	X	*	×	Grab (ယ							struction	Group#_
elinquis		Hinquis		elinquis	most#/	ajupnik		dinquis	E										Soil						la		s on rev	
Relinquished by:		Relinquished by:		Relinquished by:	andel	Relinquished by:	1	Relinquished by:	7	×	X	Х	入	×	×	X	×	*	Water Other		otab IPDE	le Cr S Ar	neck pplic	able	Matrix		erse sic	
•••		••		 		· · ·	6	Market State (A.	M	+	N	w	S	n	5	n		n	Total # d	of Co	ntai	ners		_(4		ie corre	Sample #
				•) (ļ	Ŋ	W	W	W	N	W	W	W	BTEX			602		22			spond	ple #_
						C	2		3	N	2	13	N	N	7	4)	U	7	BOSE	NEU.	772s	45		0	,	(5)	with cir	
Date		Date		Date	roloni III	Date	100	Date													\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				Preservation Codes	Analyses Requested	nd with circled numbers	
Time		Time		Time	1355	Time		Time																	on Coc	Requ	S.	
_	_																				_				es	ested		
Received by:		Received by:		Received by		Received by:		Received by:																				0
Υ.		Y.		· · ·	A.	/) / ×		Υ.	H										D Z	9		S Z	표	L_ Pre	SCR#:	FSC:	ı	000
				,	A.	1													Remarks	.		N=HNO ₃	H=HCI	Preservation Codes	R#	FSC:		#
						J													ς V			B=NaOH O=Other	T=Thi	on Coc	Ŋ	se Only)	2
Date		Date		Ďąte		Date		Date														her OH	T=Thiosulfate	les	2			225672
Time		Time		Time	7,77	Time		Time (Temperatur upon receip	e of sa t (if rec	imple quest	s ed)	၈)			I		

Lancaster Laboratories

Acct. #

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Group# Sample #

COC # 225673

Please print. Instructions on reverse side correspond with circled numbers.

Rush TAT is subj Date results are Rush results rec Phone #: <u>6/6-9</u> E-mail address:	Date res Rush re	(Rush I./	7 Turnard					73-	た。	0-0-0	100	56-0-	2 Sample I	Name o	Sampler:	Project I	Project Name/#:	Client: 12m1	
Turnaround Time Requested (TAT) (please circle) Normal (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) Date results are needed: Rush results requested by (please circle): Phone Fax (E Phone #: んどうゴミー/ウベードでの のとだりのできた (E C イベー)	und Time Requeste T is subject to Lancaste ults are needed: sults requested by (pl	und Time Requeste T is subject to Lancaste						0	0	-0	2-2	O .	2) Sample Identification	Name of state where samples were collected:	DORT T	Project Manager: <u>JENVIFER</u>	CF	EMT, INC.)
d (TAT) (please circle): Normal r Laboratories approval and surcharge.) ease circle): Phone Fax (E Fax #: 6/6.975-/098	d (TAT) (please circ r Laboratories approva	d (TAT) (please circ				-					11			1	AWAUKIEWICZ	Z OVERVOORDE	CARPENIER		
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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client. Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766

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Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

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Appendix C 4th Quarter 2009 Laboratory Analytical Report



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 18, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Tuesday, November 10, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170401.

Client Sample Description	Lancaster Labs (LLI) #
DRC-02 Grab Water	5832925
SW-D-5 Grab Water	5832926
SW-R-1 Grab Water	5832927
SW-R-3 Grab Water	5832928
SW-R-4 Grab Water	5832929
SW-D-4 Grab Water	5832930
SW-R-6 Grab Water	5832931
SW-R-5 Grab Water	5832932
SW-D-3 Grab Water	5832933
SW-D-2 Grab Water	5832934
SW-D-1 Grab Water	5832935
SW-R-2 Grab Water	5832936
DUP-01 Grab Water	5832937
RB-01 Grab Water	5832938
TB-01 Water	5832939

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde



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COPY TO 1 COPY TO

Data Package Group

Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle Senior Specialist

Pala Cru



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Page 1 of 1

Sample Description: DRC-02 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832925 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 08:40 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

DRC02 SDG#: LEC80-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles EPA 624		ug/l	ug/l	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	02:52	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	17:13	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-D-5 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832926 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 08:55 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD05 SDG#: LEC80-02

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalat	ce	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ie	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	03:15	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	18:03	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-R-1 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832927 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 09:10 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR01 SDG#: LEC80-03

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thala	ce	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	e	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009 0	03:38	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009 1	18:53	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009 1	15:00	Kevin P Love	1



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Sample Description: SW-R-3 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832928 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 09:30 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR03 SDG#: LEC80-04

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalat	ce	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	e	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009 0	04:01	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009 1	19:43	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009 1	15:00	Kevin P Love	1



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Sample Description: SW-R-4 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832929 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 09:40 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR04 SDG#: LEC80-05

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thala	ce	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ıe	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	04:24	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	20:33	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-D-4 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832930 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 09:50 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD04 SDG#: LEC80-06

CAT No.	Analysis Name			CAS Number	As Rec Result		Me	Received thod tection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l		ug	/1	
10371	Benzene			71-43-2	N.D.		0.	9	1
10371	Ethylbenzene			100-41-4	N.D.		0.	8	1
10371	Toluene			108-88-3	N.D.		0.	8	1
10371	Xylene (total)			1330-20-7	N.D.		0.	9	1
GC/MS	Semivolatiles	EPA	625		ug/l		ug	/1	
00553	bis(2-Ethylhexyl)pht	thalat	te	117-81-7	1	J	1		1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	04:47	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	21:23	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-R-6 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832931 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 10:15 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR06 SDG#: LEC80-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles EPA 624		ug/l	ug/l	
10371	Benzene	71-43-2	N.D.	0.9	1
10371	Ethylbenzene	100-41-4	N.D.	0.8	1
10371	Toluene	108-88-3	N.D.	0.8	1
10371	Xylene (total)	1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ıe	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	05:11	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	22:13	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-R-5 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832932 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 10:30 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR05 SDG#: LEC80-08

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles 1	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles 1	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phth	nalat	ce	117-81-7	N.D.	1	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tir	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	05:34	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	23:04	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-D-3 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832933 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 11:15 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD03 SDG#: LEC80-09

Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Volatiles	EPA	624		ug/l	ug/l	
Benzene			71-43-2	N.D.	0.9	1
Ethylbenzene			100-41-4	N.D.	0.8	1
Toluene			108-88-3	N.D.	0.8	1
Xylene (total)			1330-20-7	N.D.	0.9	1
Semivolatiles	EPA	625		ug/l	ug/l	
bis(2-Ethylhexyl)ph	thala	ce	117-81-7	N.D.	1	1
	Volatiles Benzene Ethylbenzene Toluene Xylene (total) Semivolatiles	Volatiles EPA Benzene Ethylbenzene Toluene Xylene (total) Semivolatiles EPA	Volatiles EPA 624 Benzene Ethylbenzene Toluene Xylene (total)	Volatiles EPA 624 Benzene 71-43-2 Ethylbenzene 100-41-4 Toluene 108-88-3 Xylene (total) 1330-20-7 Semivolatiles EPA 625	Volatiles EPA 624 ug/l Benzene 71-43-2 N.D. Ethylbenzene 100-41-4 N.D. Toluene 108-88-3 N.D. Xylene (total) 1330-20-7 N.D. Semivolatiles EPA 625 ug/l	Analysis Name CAS Number As Received Result Method Detection Limit Volatiles EPA 624 ug/l ug/l Benzene 71-43-2 N.D. 0.9 Ethylbenzene 100-41-4 N.D. 0.8 Toluene 108-88-3 N.D. 0.8 Xylene (total) 1330-20-7 N.D. 0.9 Semivolatiles EPA 625 ug/l ug/l

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	e	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	05:57	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/14/2009	23:54	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-D-2 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832934 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 12:10 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD02 SDG#: LEC80-10

CAT No.	Analysis Name			CAS Number	As Rec Result		Met	Received hod ection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l		ug/	1	
10371	Benzene			71-43-2	N.D.		0.9		1
10371	Ethylbenzene			100-41-4	N.D.		0.8		1
10371	Toluene			108-88-3	N.D.		0.8		1
10371	Xylene (total)			1330-20-7	N.D.		0.9		1
GC/MS	Semivolatiles	EPA	625		ug/l		ug/	1	
00553	bis(2-Ethylhexyl)ph	thala	te	117-81-7	2	J	0.9		1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	06:20	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	00:44	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-D-1 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832935 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 12:25 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD01 SDG#: LEC80-11

CAT No.	Analysis Name			CAS Number	As Rec Resul	ceived t	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l		ug/l	
10371	Benzene			71-43-2	N.D.		0.9	1
10371	Ethylbenzene			100-41-4	N.D.		0.8	1
10371	Toluene			108-88-3	N.D.		0.8	1
10371	Xylene (total)			1330-20-7	N.D.		0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l		ug/l	
00553	bis(2-Ethylhexyl)ph	thalat	ce	117-81-7	1	J	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
	BTEX by 624	EPA 624	1	E093162AA	11/13/2009		Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	01:34	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: SW-R-2 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832936 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 12:45 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWR02 SDG#: LEC80-12

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA	624		ug/l	ug/l	
10371	Benzene			71-43-2	N.D.	0.9	1
10371	Ethylbenzene			100-41-4	N.D.	0.8	1
10371	Toluene			108-88-3	N.D.	0.8	1
10371	Xylene (total)			1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA	625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalat	ce	117-81-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	e	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	07:07	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	02:24	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: DUP-01 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832937 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWD-1 SDG#: LEC80-13FD

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	5 J	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	07:30	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	03:15	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Sample Description: RB-01 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5832938 LLI Group # 1170401

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 13:30 by SP Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWDRB SDG#: LEC80-14RB

Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Volatiles	EPA	624		ug/l	ug/l	
Benzene			71-43-2	N.D.	0.9	1
Ethylbenzene			100-41-4	N.D.	0.8	1
Toluene			108-88-3	N.D.	0.8	1
Xylene (total)			1330-20-7	N.D.	0.9	1
Semivolatiles	EPA	625		ug/l	ug/l	
bis(2-Ethylhexyl)ph	nthalat	е	117-81-7	N.D.	1	1
	Volatiles Benzene Ethylbenzene Toluene Xylene (total) Semivolatiles	Volatiles EPA Benzene Ethylbenzene Toluene Xylene (total) Semivolatiles EPA	Volatiles EPA 624 Benzene Ethylbenzene Toluene Xylene (total)	Volatiles EPA 624 Benzene 71-43-2 Ethylbenzene 100-41-4 Toluene 108-88-3 Xylene (total) 1330-20-7 Semivolatiles EPA 625	Volatiles EPA 624 ug/l Benzene 71-43-2 N.D. Ethylbenzene 100-41-4 N.D. Toluene 108-88-3 N.D. Xylene (total) 1330-20-7 N.D. Semivolatiles EPA 625 ug/l	Analysis Name CAS Number As Received Result Method Detection Limit Volatiles EPA 624 ug/l ug/l Benzene 71-43-2 N.D. 0.9 Ethylbenzene 100-41-4 N.D. 0.8 Toluene 108-88-3 N.D. 0.8 Xylene (total) 1330-20-7 N.D. 0.9 Semivolatiles EPA 625 ug/l ug/l

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009	07:53	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	04:05	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1



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Page 1 of 1

Sample Description: TB-01 Water

L.E. Carpenter, NJ

LLI Sample # WW 5832939 LLI Group # 1170401

N.T

Project Name: L. E. Carpenter

Collected: 11/08/2009 Account Number: 09322

Submitted: 11/10/2009 16:45 RMT, Inc.
Reported: 11/18/2009 at 17:33 PO Box 8923

Discard: 12/19/2009 Madison WI 53708-8923

SWDTB SDG#: LEC80-15TB*

CAT No.	3 1		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10371	BTEX by 624	EPA 624	1	E093162AA	11/13/2009 08:16	Jason M Long	1



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Page 1 of 2

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170401

Reported: 11/18/09 at 05:33 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: E093162AA	Sample numi	ber(s): 58	32925-5832	939				
Benzene	N.D.	0.9	ug/l	103	105	80-121	2	30
Ethylbenzene	N.D.	0.8	ug/l	104	107	83-109	3	30
Toluene	N.D.	0.8	ug/l	105	108	83-111	3	30
Xylene (total)	N.D.	0.9	ug/l	105	108	81-115	3	30
Batch number: 09317WAD625	Sample numl	ber(s): 58	32925-5832	938				
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	108	106	74-118	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD MS/MSD %REC Limits	RPD	MAX	<u>Conc</u>	Conc	RPD	Max
Batch number: E093162AA Benzene Ethylbenzene Toluene Xylene (total)	Sample 115 115 118 117	number(s): 5832929 83-132 82-124 84-123 79-130	5-58329	39 UNSE	PK: P834428	3		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624 Batch number: E093162AA

Daroni Irania	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene	
5832925	98	97	94	
5832926	99	98	94	
5832927	99	97	92	
5832928	98	97	92	
5832929	98	99	93	
5832930	99	98	93	
5832931	99	96	91	
5832932	100	98	92	
5832933	99	98	91	
5832934	97	98	92	

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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104 95 97

101

62-121

Page 2 of 2

Quality Control Summary

	ame: RMT, Inc. : 11/18/09 at 05:33 F		Number: 1170401
		Surrogate Qu	ality Control
5832935	97	97	91
5832936	99	98	91
5832937	97	97	92
5832938	98	98	92
5832939	98	99	90
Blank	97	97	98
LCS	98	99	97
LCSD	101	98	99
MS	99	98	97
Limits:	76-114	80-120	86-115
2 7 27 -	عداد ([halaka	
	ame: bis-(2-ethylhexyl)pht	nalate	
	er: 09317WAD625		
		2-Fluorobiphenyl	Terphenyl-d14
	er: 09317WAD625		Terphenyl-d14
Batch numbe	er: 09317WAD625 Nitrobenzene-d5	2-Fluorobiphenyl	
Batch number 5832925	er: 09317WAD625 Nitrobenzene-d5	2-Fluorobiphenyl	92
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5832925 5832926 5832927 5832928 5832929	91 93 93 74 92 91	2-Fluorobiphenyl 103 99 82 100 103	92 85 79 94 92
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96

96

93

44-134

Limits:

Blank

LCS LCSD 96 95

56-120

^{*-} Outside of specification

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories For Lancaster Laboratories use only

Acct. # 9322 Group# 1170401 Sample # 5832925-39

CQC#

225672

Client RMT Two: Acct. #: Project Name##: LE CARPENTER PWSID #: PWSID #: Project Name##: LE CARPENTER PWSID #:		es	F	Please print. In	ıstruc	tions on	reverse :	side coi	respor	d with c	ircled r	number	s. (1.7-6	·8·)			
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Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (7/7) 656-6766	. J. T. (. 1817 2010 2011)	<u> </u>				<u> </u>			<u> </u>				<u></u>				· WO		

Analysis Request/ Environmental Services Chain of Custody

412	Lancaster Laboratories
	Laboratories

Lancaster	Acct.#	3 <i>CL</i>	Group	# 11=	1070)_Sar	nple #	58:	3292	5-5)C #	225	673	3
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Project Manager: JENNIFER OUERVOO				_			8						H=HCI N=HNO ₃	T=Thiosulfa B=NaOH	ate	(6)
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Dup-01	11/10/09		X		Х	5	3	2								
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For Lancaster Laboratories use only



Environmental Sample Administration Receipt Documentation Log

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Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

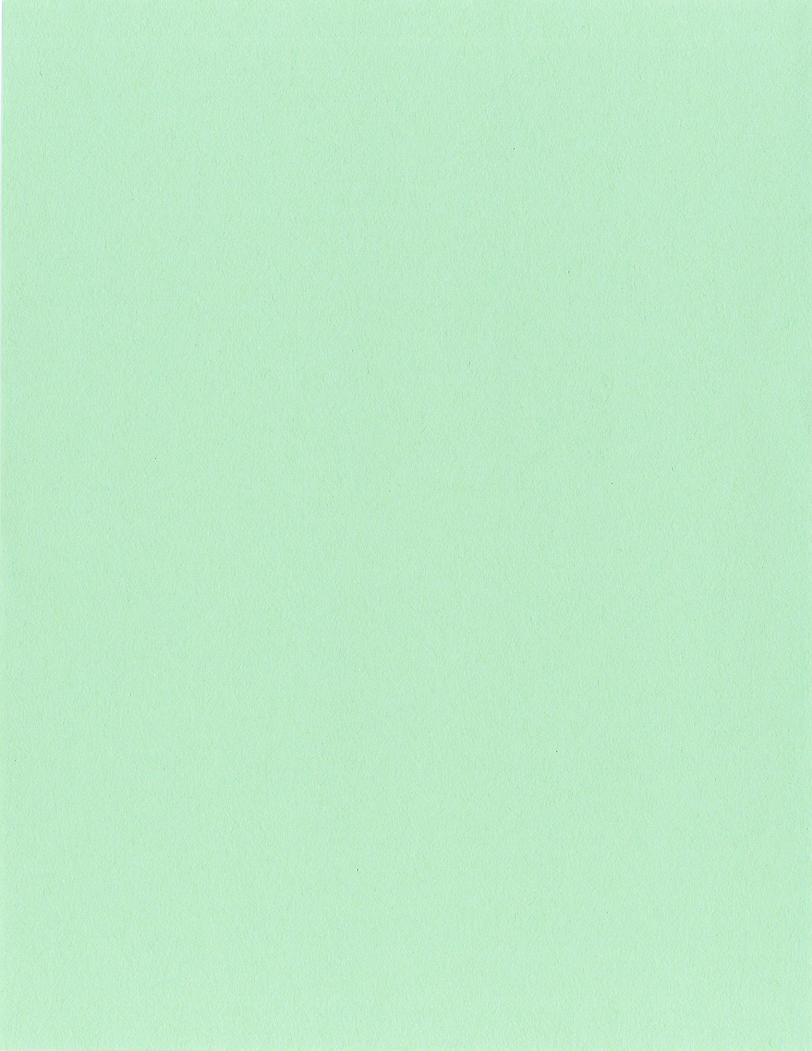
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A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 21, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Wednesday, November 11, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170462.

Client Sample DescriptionLancaster Labs (LLI) #MW-19-12 Grab Water5833235TB-02 Water5833236

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Susan M. Goshert Group Leader

Susan M Goshert



As Received

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Page 1 of 2

Sample Description: MW-19-12 Grab Water

225674

L.E. Carpenter, NJ

LLI Sample # WW 5833235 LLI Group # 1170462

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 15:39 by SP Account Number: 09322

Submitted: 11/11/2009 09:15 RMT, Inc.
Reported: 11/21/2009 at 06:03 PO Box 8923

Discard: 12/22/2009 Madison WI 53708-8923

M1912 SDG#: LEC81-01

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	N.D.	0.9	1
GC Mi	scellaneous	RSKSOP-17	5 08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105	Methane		74-82-8	N.D.	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 60	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
	Sulfate		14808-79-8	15.3	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen	HIR 333.2	14797-55-8	0.81	0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as			N.D.	0.080	1
00227	iocai inospiiotas as	(water)	7723 14 0	N.D.	0.000	1
		SM20 2540	C	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	263	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	N.D.	3.0	1
		SM20 4500 modified	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	Heterotrophic Plate			N.D.	1	n.a.
	ml !					

00307 Heterotrophic Plate Count n.a. N.D.

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Page 2 of 2

Sample Description: MW-19-12 Grab Water

225674

L.E. Carpenter, NJ

LLI Sample # WW 5833235 LLI Group # 1170462

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 15:39 by SP Account Number: 09322

Submitted: 11/11/2009 09:15 RMT, Inc.
Reported: 11/21/2009 at 06:03 PO Box 8923

Discard: 12/22/2009 Madison WI 53708-8923

M1912 SDG#: LEC81-01

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	17:11	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09317WAD625	11/15/2009	20:03	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09317WAD625	11/13/2009	15:00	Kevin P Love	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093170000A	11/13/2009	09:12	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:35	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09322196601B	11/18/2009	22:26	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106101B	11/15/2009	05:55	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105101A	11/11/2009	19:09	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09316109101A	11/17/2009	20:55	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09316109101A	11/12/2009	13:10	Nancy J Shoop	1
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09316020601A	11/12/2009	08:23	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	. 1	09321022101A	11/17/2009	17:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109LM	11/13/2009	16:05	Lindsay F McClure	n.a.



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Page 1 of 1

Sample Description: TB-02 Water

225674

L.E. Carpenter, NJ

LLI Sample # WW 5833236 LLI Group # 1170462

AT T

Project Name: L. E. Carpenter

Collected: 11/08/2009 Account Number: 09322

Submitted: 11/11/2009 09:15 RMT, Inc.
Reported: 11/21/2009 at 06:03 PO Box 8923

Discard: 12/22/2009 Madison WI 53708-8923

MTB02 SDG#: LEC81-02TB*

Dilution Factor
1
1
1
1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009 02:13	Jason M Long	1



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Page 1 of 3

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170462

Reported: 11/21/09 at 06:03 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: E093171AA Benzene Ethylbenzene Toluene Xylene (total)	Sample nu N.D. N.D. N.D. N.D.	mber(s): 583 0.9 0.8 0.8 0.9	33235 ug/l ug/l ug/l ug/l	110 107 108 109		80-121 83-109 83-111 81-115		
Batch number: E093172AA Benzene Ethylbenzene Toluene Xylene (total)	Sample nu N.D. N.D. N.D. N.D.	mber(s): 583 0.9 0.8 0.8 0.9	33236 ug/l ug/l ug/l ug/l	108 104 105 107	107 104 104 106	80-121 83-109 83-111 81-115	1 0 0 0	30 30 30 30
Batch number: 09317WAD625 bis(2-Ethylhexyl)phthalate	Sample nu N.D.	mber(s): 583	33235 ug/l	108	106	74-118	2	30
Batch number: 093170000A Ethane Ethene Methane Propane	Sample nu N.D. N.D. N.D. N.D.	mber(s): 583 1.0 1.0 5.0 1.0	33235 ug/l ug/l ug/l ug/l	98 97 97 97		80-120 80-120 80-120 73-125		
Batch number: 093171848009 Lead	Sample nu N.D.	mber(s): 583 0.0069	33235 mg/l	100		80-120		
Batch number: 09315105101A Nitrite Nitrogen	Sample nu N.D.	mber(s): 583 0.015	33235 mg/l	90		90-110		
Batch number: 09316109101A Total Phosphorus as P (water)	Sample nu N.D.	mber(s): 583 0.080	33235 mg/l	97		90-110		
Batch number: 09319106101B Nitrate Nitrogen	Sample nu N.D.	mber(s): 583 0.040	33235 mg/l	102		90-110		
Batch number: 09322196601B Sulfate	Sample nu N.D.	mber(s): 583 0.30	33235 mg/l	101		89-110		
Batch number: 09316020601A Total Suspended Solids	Sample nu N.D.	mber(s): 583 3.0	33235 mg/l	91		74-113		
Batch number: 09317021201A Total Dissolved Solids	Sample nu N.D.	mber(s): 583 9.7	33235 mg/l	99		80-120		
Batch number: 09321022101A Ammonia Nitrogen	Sample nu N.D.	mber(s): 583 0.20	33235 mg/l	87		85-105		

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Page 2 of 3

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170462

Reported: 11/21/09 at 06:03 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD MAX	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: E093171AA Benzene Ethylbenzene Toluene Xylene (total)	Sample 115 112 113 114	number(s) 113 111 112 113	: 5833235 83-132 82-124 84-123 79-130	UNSPK: 2 1 1	P83435 30 30 30 30	51			
Batch number: E093172AA Benzene Ethylbenzene Toluene Xylene (total)	Sample 116 110 111 111	number(s)	: 5833236 83-132 82-124 84-123 79-130	UNSPK:	P83464	15			
Batch number: 093170000A Ethane Ethene Methane	Sample 76 79 -7167 (2)	number(s) 88 90 -7333 (2)	: 5833235 34-153 35-162 35-157	UNSPK: 14 14 7	P83435 20 20 20	51			
Propane	75	80	36-149	6	20				
Batch number: 093171848009 Lead	Sample 98	number(s) 98	: 5833235 75-125	UNSPK:	P83435 20	51 BKG: N.D.	P834351 N.D.	0 (1)	20
Batch number: 09315105101A Nitrite Nitrogen	Sample 103	number(s)	: 5833235 90-110	UNSPK:	P83319	94 BKG: N.D.	P833194 N.D.	0 (1)	20
Batch number: 09316109101A Total Phosphorus as P (water)	Sample 98	number(s)	: 5833235 90-110	UNSPK:	583323	B5 BKG: N.D.	5833235 N.D.	0 (1)	3
Batch number: 09319106101B Nitrate Nitrogen	Sample 81*	number(s)	: 5833235 90-110	UNSPK:	P83515	52 BKG: 2.4	P835152 2.4	0	2
Batch number: 09322196601B Sulfate	Sample 86*	number(s)	: 5833235 90-110	UNSPK:	P83320	05 BKG: 82.9	P833205 80.8	3	20
Batch number: 09316020601A Total Suspended Solids	Sample	number(s)	: 5833235	BKG:	P833172	4,540	4,480	1	9
Batch number: 09317021201A Total Dissolved Solids	Sample 101	number(s)	: 5833235 54-143	UNSPK:	P83435 12	51 BKG: 436	P834351 425	2	9
Batch number: 09321022101A Ammonia Nitrogen	Sample 92	number(s) 93	: 5833235 64-128	UNSPK:	P83174	19 BKG: N.D.	P831749 N.D.	0 (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Group Number: 1170462 Client Name: RMT, Inc.

Reported: 11/21/09 at 06:03 AM

Surrogate Quality Control

Analysis Name: BTEX by 624 Batch number: E093171AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene	
5833235	99	97	91	
Blank	99	97	92	
LCS	98	102	99	
MS	100	101	97	
MSD	100	99	98	
Limits	76-114	80-120	86-115	

Analysis Name: BTEX by 624

Batch numb	oer: E093172AA			
	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene	
5833236	102	97	94	
Blank	100	98	93	
LCS	99	100	99	
LCSD	100	100	98	
MS	100	101	96	
Limits:	76-114	80-120	86-115	

Analysis Name: bis-(2-ethylhexyl)phthalate Batch number: 09317WAD625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	
5833235	91	102	104	
Blank	96	95	96	
LCS	95	97	96	
LCSD	94	101	93	
Limits:	56-120	62-121	44-134	

Analysis Name: Volatile Headspace Hydrocarbon Batch number: 093170000A

Propene

5833235	46
Blank	82
LCS	75
MS	43
MSD	61

Limits: 42-131

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody



225674

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Environmental Sample Administration Receipt Documentation Log

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Time o	of Receipt: _	09	15										
Source	e Code:	5c)-	* Custody seal was intact unless otherwise noted in the discrepancy section									
Unpac	ker Emp. No.	: 14:	54	Package	e :	Chi	tted	Not Chilled					
			Temperature of	f Shipping Contai	ners								
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (I or NA	В)	Comments					
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Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	1	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

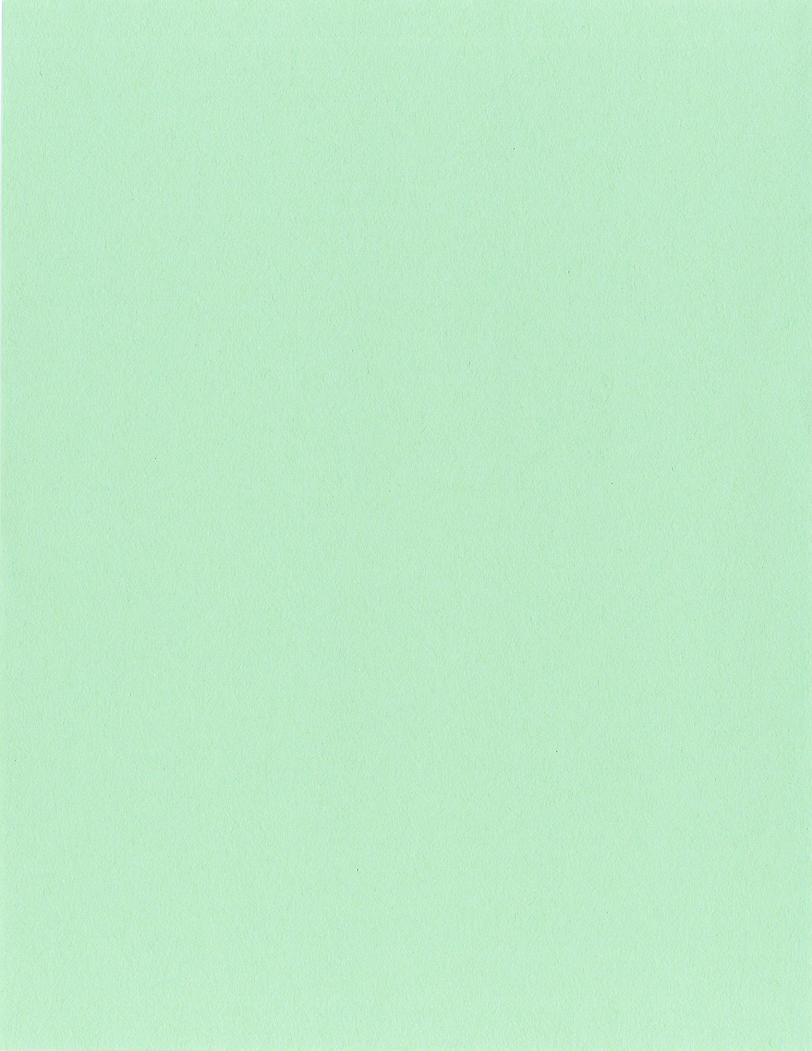
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A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 24, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Wednesday, November 11, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170634.

Client Sample Description	<u>Lancaster Labs (LLI) #</u>
MW-27s Grab Water	5834349
MW-27s Grab Water	5834350
MW-29s Grab Water	5834351
MW-29s Matrix Spike Grab Water	5834352
MW-29s Matrix Spike Duplicate Grab Water	5834353
MW-29s Duplicate Grab Water	5834354
MW-8 Grab Water	5834355
ATM-01 Grab Water	5834356
MW-25(R) Grab Water	5834357
MW-27s Grab Water	5834358
TB-03 Water	5834359

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Diane L. Lockard Group Leader

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Page 1 of 1

Sample Description: MW-27s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834349 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 16:50 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

27S11 SDG#: LEC82-01

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Semivolatiles :	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)phtl	halate	117-81-7	N.D.	0.9	1
Wet Cl	hemistry	EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as 1	P (water)	7723-14-0	N.D.	0.080	1
		SM20 4500N modified	нз в/с	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009 19:13	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009 22:00	Sherry L Morrow	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101A	11/16/2009 20:13	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101A	11/14/2009 17:00	Carolyn M Mastropietro	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022101A	11/18/2009 08:00	Michele L Graham	1



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Page 1 of 1

Sample Description: MW-27s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834350 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 06:30 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

27-13 SDG#: LEC82-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet C	hemistry EPA 300	0.0	mg/l	mg/l	
00228	Sulfate	14808-79-8	47.9	1.5	5
	SM20 25	540 C	mg/l	mg/l	
00212	Total Dissolved Solids	n.a.	721	19.4	1
	SM20 25		mg/1	mg/l	1
00206	Total Suspended Solids	n.a.	300	10	1

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tir	me	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	09322196102B	11/18/2009	23:30	Ashley M Adams	5
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1



As Received

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Page 1 of 2

Sample Description: MW-29s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834351 LLI Group # 1170634

Dilution

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03BKG

СУД

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371			108-88-3	N.D.	0.8	1
	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	N.D.	1	1
GC Mi	scellaneous		5 08/11/94	ug/l	ug/l	
07105	Ethane	modified	74-84-0	N.D.	1.0	1
	Ethene		74-84-0	N.D.	1.0	1
	Methane		74-85-1	5,800	1.0	20
07105			74-82-8		1.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 603	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	N.D.	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
	Nitrite Nitrogen		14797-65-0	0.087	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	0.25	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	436	9.7	1
		SM20 2540	D	mg/l	mg/l	
00006	m-+-1 G			=	=	1
00206	Total Suspended Sol	ıas	n.a.	39.0	3.8	1
		SM20 45001	NH3 B/C	mg/l	mg/l	
		modified				
00221	Ammonia Nitrogen		7664-41-7	8.9	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	91		_	•	·	

As Received

00307 Heterotrophic Plate Count n.a. 3
This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Page 2 of 2

Sample Description: MW-29s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834351 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03BKG

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tir	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	12:07	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	15:57	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/13/2009	09:52	Dustin A	1
	Hydrocarbon	08/11/94 modifie	ed				Underkoffler	
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/16/2009	08:38	Dustin A	20
	Hydrocarbon	08/11/94 modifie	ed				Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:19	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09322196102B	11/18/2009	22:42	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:45	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	20:58	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101A	11/16/2009	20:52	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



As Received

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Sample Description: MW-29s Matrix Spike Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834352 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03MS

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	23	0.9	1
10371	Ethylbenzene		100-41-4	22	0.8	1
10371	Toluene		108-88-3	23	0.8	1
10371	Xylene (total)		1330-20-7	69	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	49	1	1
GC Mis	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
07105	Ethane		74-84-0	45	1.0	1
	Ethene		74-85-1	48	1.0	1
	Methane		74-82-8	1,500	5.0	1
	Propane		74-98-6	46	1.0	1
Metals	s Dissolved	SW-846 601	.0В	mg/l	mg/l	
07055	Lead		7439-92-1	0.147	0.0069	1
Wet Ch	nemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	51.9	3.0	10
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	0.72	0.040	1
	Nitrite Nitrogen		14797-65-0	0.29	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	2.5	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	637	9.7	1
		SM20 4500N modified	H3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	21.8	0.20	1

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



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Page 2 of 2

Sample Description: MW-29s Matrix Spike Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834352 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03MS

CAT	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution
No.					Date and Ti	me		Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	12:31	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	16:46	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105			1	093170000A			-	1
0/105	Volatile Headspace	RSKSOP-175	, 1	093170000A	11/13/2009	10:06	Dustin A	1
	Hydrocarbon	08/11/94 modifie					Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:27	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09322196102B	11/18/2009	23:14	Ashley M Adams	10
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:46	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:06	Joseph E McKenzie	1
00227	Total Phosphorus as P	EPA 365.1	1	09318109101A	11/16/2009	20:15	Joseph E McKenzie	1
	(water)						-	
08263	Total Phos as P Prep	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M	1
	(water)						Mastropietro	
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/0	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
		modified						



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Page 1 of 2

Sample Description: MW-29s Matrix Spike Duplicate Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834353 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03MSD

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	23	0.9	1
10371	Ethylbenzene		100-41-4	22	0.8	1
10371	Toluene		108-88-3	22	0.8	1
10371	Xylene (total)		1330-20-7	68	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph		117-81-7	48	1	1
GC Mis	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	52	1.0	1
07105	Ethene		74-85-1	55	1.0	1
07105	Methane		74-82-8	1,400	5.0	1
07105	Propane		74-98-6	49	1.0	1
Metals	s Dissolved	SW-846 601	.0B	mg/l	mg/l	
07055	Lead		7439-92-1	0.147	0.0069	1
Wet Ch	nemistry	SM20 2540	С	mg/l	mg/l	
00212	-	ids	n.a.	636	9.7	1
		SM20 4500N modified	нз в/с	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	22.7	0.20	1

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	.e	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	12:54	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	17:35	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	_	093170000A	11/13/2009	10:20	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:30	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1



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Sample Description: MW-29s Matrix Spike Duplicate Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834353 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03MSD

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009 09:18	Susan E Hibner	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C	1	09322022101A	11/18/2009 08:00	Michele L Graham	1
		modified					



As Received

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Sample Description: MW-29s Duplicate Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834354 LLI Group # 1170634

Dilution

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03DUP

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
Metals	s Dissolved	SW-846 601	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet Cl	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	N.D.	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen		14797-65-0	0.086	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	0.34	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	425	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	40.5	3.8	1
		SM20 45001 modified	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	9.7	0.20	1
Microl	biology	SM20 9215	В	cfu/ml	cfu/ml	
00307	Heterotrophic Plate This result is an e the result is outsi colony forming unit	stimated coun de the establ	ished counting	3 ne plate used to calculate range of 30 to 300	1	n.a.

As Pessized

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07055 01848	Lead WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 3005A	1	093171848009 093171848009	11/21/2009 00:24 11/16/2009 09:23	John W Yanzuk II Denise K Conners	1
00228 00220	Sulfate Nitrate Nitrogen	EPA 300.0 EPA 353.2	1 1	09322196102B 09319106102B	11/18/2009 22:58 11/15/2009 06:48	Ashley M Adams Susan A Engle	5 1



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Sample Description: MW-29s Duplicate Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834354 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 07:31 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

29S11 SDG#: LEC82-03DUP

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:00	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101A	11/16/2009	20:16	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



As Received

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Sample Description: MW-8 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834355 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 09:20 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

11-08 SDG#: LEC82-04

CAT No.	Analysis Name		CAS Number	As Rec Result		As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l		ug/l	
10371	Benzene		71-43-2	N.D.		0.9	1
10371	Ethylbenzene		100-41-4	N.D.		0.8	1
10371	Toluene		108-88-3	N.D.		0.8	1
10371	Xylene (total)		1330-20-7	N.D.		0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l		ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	3	J	0.9	1
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l		ug/l	
		modified					
07105	Ethane		74-84-0	N.D.		1.0	1
07105	Ethene		74-85-1	N.D.		1.0	1
07105	Methane		74-82-8	5,600		100	20
07105	Propane		74-98-6	1.1	J	1.0	1
Metal	s Dissolved	SW-846 601	L0B	mg/l		mg/l	
07055	Lead		7439-92-1	N.D.		0.0069	1
Wet C	hemistry	EPA 300.0		mg/l		mg/l	
	Sulfate		14808-79-8	N.D.		1.5	5
		EPA 353.2		mg/l		mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.		0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.		0.015	1
		EPA 365.1		mg/l		mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.		0.080	1
		SM20 2540	C	mg/l		mg/l	
00010	m : 1 p' 1 1 0 1					=	
00212	Total Dissolved Sol	ıds	n.a.	191		9.7	1
		SM20 2540	D	mg/l		mg/l	
00206	Total Suspended Sol	ids	n.a.	42.5		3.8	1
		SM20 4500N modified	инз в/С	mg/l		mg/l	
00221	Ammonia Nitrogen		7664-41-7	0.53	J	0.20	1
Microl	biology	SM20 9215	В	cfu/ml		cfu/ml	
	Heterotrophic Plate		n.a.	84		1	n.a.



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Sample Description: MW-8 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834355 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 09:20 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

11-08 SDG#: LEC82-04

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tir	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	17:34	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	20:02	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/13/2009	10:33	Dustin A	1
	Hydrocarbon	08/11/94 modifie	ed				Underkoffler	
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/16/2009	08:51	Dustin A	20
	Hydrocarbon	08/11/94 modifie	ed				Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:56	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09322196102B	11/18/2009	23:46	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:49	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:01	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101A	11/16/2009	20:17	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



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Sample Description: ATM-01 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834356 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 09:45 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

ATM01 SDG#: LEC82-05

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	N.D.	0.9	1
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105			74-85-1	N.D.	1.0	1
07105			74-82-8	N.D.	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s	SW-846 601	LOB	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
	Sulfate		14808-79-8	N.D.	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as		7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol		n.a.	N.D.	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	N.D.	3.0	1
		SM20 4500N modified	инз в/с	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	Heterotrophic Plate			N.D.	1	n.a.

00307 Heterotrophic Plate Count n.a. N.D. This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: ATM-01 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834356 LLI Group # 1170634

N.T

Project Name: L. E. Carpenter

Collected: 11/11/2009 09:45 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

ATM01 SDG#: LEC82-05

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	ma	Analyst	Dilution Factor
10371	DEEL PAR COA	EPA 624	1	E093171AA			Togon M Tong	
	BTEX by 624		1		11/13/2009	17:58	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	20:52	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/13/2009	11:00	Dustin A	1
	Hydrocarbon	08/11/94 modifie	d -		,,,		Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	00:59	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09322196102B	11/19/2009	00:02	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:50	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:03	Joseph E McKenzie	1
00227	Total Phosphorus as P	EPA 365.1	1	09318109101A	11/16/2009	20:18	Joseph E McKenzie	1
	(water)							
08263	Total Phos as P Prep	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M	1
	(water)						Mastropietro	
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
	-	modified						
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



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Sample Description: MW-25(R) Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834357 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 11:35 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

25R11 SDG#: LEC82-06

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	1 J	0.9	1
GC Mi	scellaneous	RSKSOP-17	5 08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
	Methane		74-82-8	30	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 603	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228			14808-79-8	12.0	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	198	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	160	3.8	1
		SM20 45001 modified	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	0.42 J	0.20	1
Microl	biology	SM20 9215	В	cfu/ml	cfu/ml	
	Heterotrophic Plate	Count	n.a.	1,600	1	n.a.

00307 Heterotrophic Plate Count n.a. 1,600

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: MW-25(R) Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834357 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 11:35 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

25R11 SDG#: LEC82-06

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	18:21	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	21:41	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093170000A	11/13/2009	11:14	Dustin A	1
	Hydrocarbon	08/11/94 modifie	:d				Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:02	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09322196102B	11/19/2009	00:17	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:54	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:04	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101A	11/16/2009	20:20	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09317021201A	11/13/2009	09:18	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022101A	11/18/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



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Page 1 of 1

Sample Description: MW-27s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5834358 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 12:30 by SP Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

1127S SDG#: LEC82-07

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105	Methane		74-82-8	N.D.	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	LOB	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	0.50	0.040	1
00219	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
Microl	biology	SM20 9215	В	cfu/ml	cfu/ml	
00307	Heterotrophic Plate	Count	n.a.	23	1	n.a.
	This result is an e	stimated coun	t. At least c	one plate used to calculate		
	the result is outsi	de the establ	ished counting	range of 30 to 300		

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

colony forming units (cfu) per dilution.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ne	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	18:44	Jason M Long	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 ed	093170000A	11/13/2009	11:27	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:05	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00220	Nitrate Nitrogen	EPA 353.2	1	09319106102B	11/15/2009	06:55	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09315105102A	11/11/2009	21:05	Joseph E McKenzie	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111109KAHB	11/14/2009	10:20	Keith A Hoover	n.a.



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Page 1 of 1

Sample Description: TB-03 Water

L.E. Carpenter, NJ

LLI Sample # WW 5834359 LLI Group # 1170634

NJ

Project Name: L. E. Carpenter

Collected: 11/08/2009 Account Number: 09322

Submitted: 11/11/2009 17:20 RMT, Inc.
Reported: 11/24/2009 at 10:04 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

TB113 SDG#: LEC82-08TB*

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution	
No.					Date and Time		Factor	
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009 19:07	Jason M Long	1	



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Page 1 of 3

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170634

Reported: 11/24/09 at 10:04 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E093171AA Benzene Ethylbenzene Toluene Xylene (total)	Sample numbe N.D. N.D. N.D. N.D.	er(s): 583 0.9 0.8 0.8 0.9	4351-58343 ug/l ug/l ug/l ug/l	353,583435 110 107 108 109	5-5834359	80-121 83-109 83-111 81-115		
Batch number: 09318WAC625 bis(2-Ethylhexyl)phthalate	Sample numbe	er(s): 583	4349,58343 ug/l	351-583435 92	3,5834355	-5834357 74-118		
Batch number: 093170000A Ethane Ethene Methane Propane	Sample number N.D. N.D. N.D. N.D. N.D.	er(s): 583 1.0 1.0 5.0 1.0	ug/l ug/l	98 97	5-5834358	80-120 80-120 80-120 73-125		
Batch number: 093171848009 Lead	Sample numbe	er(s): 583 0.0069	4351-58343 mg/l	358 100		80-120		
Batch number: 09315105102A Nitrite Nitrogen	Sample numbe			352,583435 95	4-5834358	90-110		
Batch number: 09318109101A Total Phosphorus as P (water)	Sample numbe	er(s): 583 0.080	4349,58343 mg/l	351-583435 91	2,5834354	-5834357 90-110		
Batch number: 09319106102B Nitrate Nitrogen	Sample numbe	er(s): 583 0.040	4351-58343 mg/l	352,583435 102	4-5834358	90-110		
Batch number: 09322196102B Sulfate	Sample numbe	er(s): 583 0.30	4350-58343 mg/l	352,583435 100	4-5834357	89-110		
Batch number: 09317020601A Total Suspended Solids	Sample numbe	er(s): 583 3.0	4350-58343 mg/l	351,583435 95	4-5834357	74-113		
Batch number: 09317021201A Total Dissolved Solids	Sample numbe	er(s): 583 9.7	4350-58343 mg/l	357 99		80-120		
Batch number: 09322022101A Ammonia Nitrogen	Sample numbe	er(s): 583 0.20	4349,58343 mg/l	351-583435 92	7	85-105		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Page 2 of 3

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170634

Reported: 11/24/09 at 10:04 AM

Analysis Name	MS MSD *REC *REC	MS/MSD <u>Limits </u>	RPD BKG MAX Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Batch number: E093171AA Benzene Ethylbenzene Toluene	115 113 112 111 113 112	83-132 2 82-124 1 84-123 1	353,5834355-58343 30 30 30	359 UNSPK: 58	34351	
Xylene (total)	114 113	79-130 1	30			
Batch number: 09318WAC625 bis(2-Ethylhexyl)phthalate	Sample number(s	5): 5834349,5834 39-165 2	351-5834353,58343 30	355-5834357 U	NSPK: 5834351	-
Batch number: 093170000A Ethane Ethene Methane	Sample number(s 76 88 79 90 -7167 -7333 (2) (2)	s): 5834351-5834 34-153 14 35-162 14 35-157 7	353,5834355-58343 20 20 20 20	358 UNSPK: 58	34351	
Propane	75 80	36-149 6	20			
Batch number: 093171848009 Lead	Sample number(s	s): 5834351-5834 75-125 0	358 UNSPK: 583435 20 N.D.	51 BKG: 58343 N.D.	51 0 (1)	20
Batch number: 09315105102A Nitrite Nitrogen	Sample number(s	s): 5834351-5834 90-110	352,5834354-58343 0.087	0.086	34351 BKG: 58 1 (1)	34351 20
Batch number: 09318109101A	Sample number(s	5): 5834349,5834	351-5834352,58343	354-5834357 U	NSPK: 5834351	BKG:
Total Phosphorus as P (water)	110	90-110	0.25	0.34	30* (1)	3
Batch number: 09319106102B Nitrate Nitrogen	Sample number(s	s): 5834351-5834 90-110	352,5834354-58343 N.D.	858 UNSPK: 58 N.D.	34351 BKG: 58 0 (1)	34351
Batch number: 09322196102B Sulfate	Sample number(s	s): 5834350-5834 90-110	352,5834354-58343 N.D.	357 UNSPK: 58 N.D.	34351 BKG: 58 0 (1)	34351 20
Batch number: 09317020601A Total Suspended Solids	Sample number(s	5): 5834350-5834	351,5834354-58343 39.0	BKG: 583 40.5	4351 4 (1)	9
Batch number: 09317021201A Total Dissolved Solids	Sample number(s	5): 5834350-5834 54-143 0	357 UNSPK: 583435 12 436	51 BKG: 58343 425	51 2	9
Batch number: 09322022101A Ammonia Nitrogen	Sample number(s	5): 5834349,5834 64-128 4	351-5834357 UNSPI 8 8.9	K: 5834351 BK	G: 5834351 9*	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624 Batch number: E093171AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
5834351	100	96	93
5834352	100	101	97
5834353	100	99	98
5834355	99	99	95

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Page 3 of 3

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170634 Reported: 11/24/09 at 10:04 AM							
		Surrogate Qu	ality Control				
5834356 5834357 5834358 5834359 Blank LCS MS	100 99 98 100 99 98 100	98 98 99 98 97 102 101	89 90 90 90 88 92 99 97				
Limits:	76-114	80-120	86-115				
	me: bis-(2-ethylhexyl)phth r: 09318WAC625 Nitrobenzene-d5	nalate 2-Fluorobiphenyl	Terphenyl-d14				
5834349	92	99	80				
5834351	89	102	77				
5834352	91	99	77				
5834353	91	98	77				
5834355	95	101	78				
5834356	92	97	74				
5834357	91	102	75				
Blank	95	98	73				
LCS	93	98	75				
MS	91	99	77				
MSD	91	98	77				
Limits:	56-120	62-121	44-134				
Batch number	me: Volatile Headspace Hyd r: 093170000A Propene	drocarbon					
5834351	61						
5834352	43						
5834353	61						
5834355	52						
5834356	59						
5834357	65						
5834358	62						
Blank	82						
LCS	75						
MS	43						
MSD	61						

*- Outside of specification

42-131

Limits:

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody



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Environmental Sample Administration Receipt Documentation Log

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Time o	of Receipt: _	17:70		_									
Source	e Code:	01	·		ody seal was intact unless otherwise noted in the discrepancy section								
Unpac	ker Emp. No	».: <u> </u>	114	Packag	e:	Chilled	Not Chilled						
			Temperature of	Shipping Conta	iners								
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments						
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Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	1	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

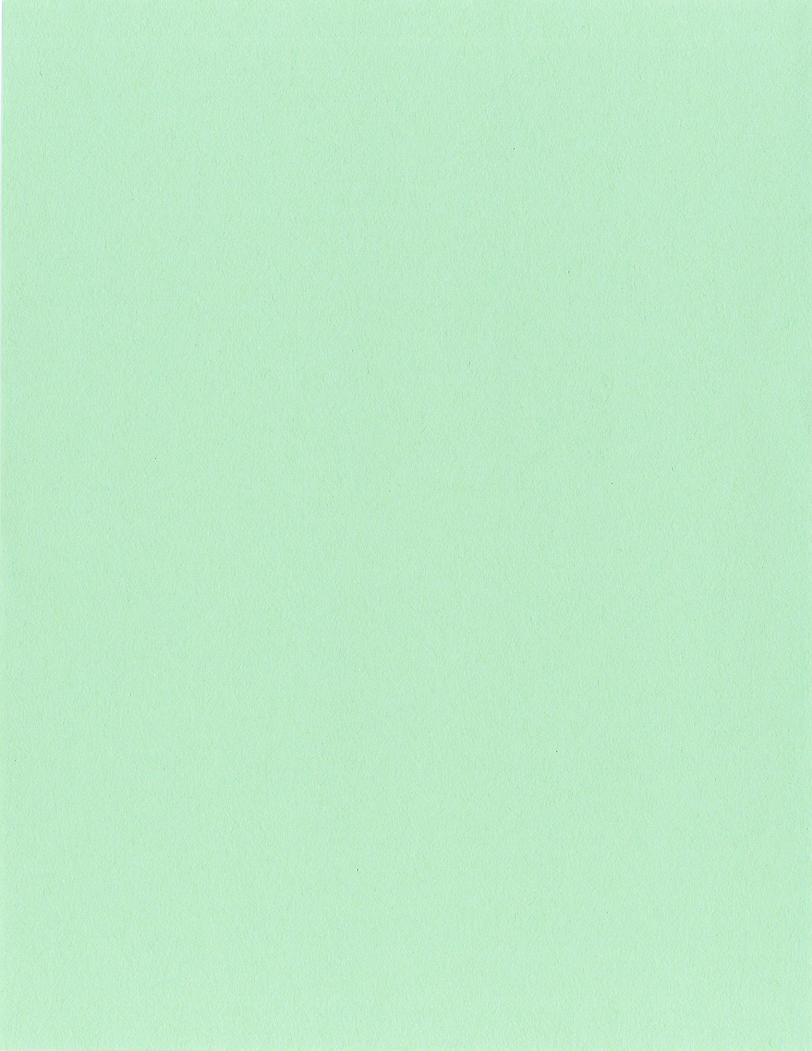
•	lifier	(uu	9	 u	٠, ٥	•

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 24, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Thursday, November 12, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170679.

Client Sample Description	<u>Lancaster Labs (LLI) #</u>
MW-30D Grab Water	5834704
MW-30i Grab Water	5834705
MW-30s Grab Water	5834706
TB-04 Water	5834707

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Diane L. Lockard Group Leader

Jarans &. I ensill



As Received

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Sample Description: MW-30D Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834704 LLI Group # 1170679

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 14:25 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30D SDG#: LEC83-01

					As Received	
CAT				As Received	Method	Dilution
No.	Analysis Name		CAS Number	Result	Detection Limit	Factor
					Detection Limit	
GC/MG	Volatiles	EPA 624		ug/l	ug/l	
•		HIA UZI	E1 42 0	•	•	
10371			71-43-2	N.D.	0.9	1
10371			100-41-4	N.D.	0.8	1
10371			108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
CC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
-			115 01 5	- ·	<u>-</u> .	
00553	bis(2-Ethylhexyl)ph	cnalate	117-81-7	N.D.	0.9	1
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
05105	7.1	modified	74 04 0	N. D.	1 0	
	Ethane		74-84-0	N.D.	1.0	1
07105			74-85-1	N.D.	1.0	1
	Methane		74-82-8	N.D.	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	0B	mg/l	mg/l	
07055		DI 010 001	7439-92-1	- ·	0.0069	1
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	15.0	1.5	5
		ED 2 2 E 2 2		mg/l	mg/l	
		EPA 353.2		•	- -	
00220			14797-55-8	0.10	0.040	1
00219	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as		7722 14 0	N.D.	0.080	1
00227	Total Phosphorus as	P (water)	1123-14-0	N.D.	0.080	1
		SM20 2540	C	mg/l	mg/l	
00212	Total Dissolved Sol:	ids	n.a.	331	9.7	1
		SM20 2540	ъ	mg/l	mg/l	
				=	=	
00206	Total Suspended Sol:	ids	n.a.	5.2 J	3.0	1
		SM20 4500N	H3 B/C	mg/l	mg/l	
		modified	, -			
		moarried				
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	Hotomatica Distri				1	

00307 Heterotrophic Plate Count n.a. 7
This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: MW-30D Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834704 LLI Group # 1170679

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 14:25 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30D SDG#: LEC83-01

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	19:30	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	22:30	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 ed	093170000A	11/13/2009	11:41	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:08	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09322196102B	11/19/2009	01:05	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106103A	11/15/2009	07:31	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102A	11/12/2009	18:53	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101B	11/16/2009	20:29	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101B	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09320021201A	11/16/2009	08:25	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022102A	11/18/2009	17:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KS	11/14/2009	14:11	Kimberly A Small	n.a.



As Received

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Sample Description: MW-30i Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834705 LLI Group # 1170679

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 15:34 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30I SDG#: LEC83-02

CAT No.	Analysis Name		CAS Number	As Re Resul	ceived t	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l		ug/l	
10371	Benzene		71-43-2	N.D.		0.9	1
10371	Ethylbenzene		100-41-4	N.D.		0.8	1
10371	Toluene		108-88-3	N.D.		0.8	1
10371	Xylene (total)		1330-20-7	N.D.		0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l		ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	1	J	1	1
GC Mis	scellaneous	RSKSOP-175	5 08/11/94	ug/l		ug/l	
		modified					
07105	Ethane		74-84-0	N.D.		1.0	1
07105	Ethene		74-85-1	N.D.		1.0	1
07105	Methane		74-82-8	170		5.0	1
07105	Propane		74-98-6	N.D.		1.0	1
Metals	s Dissolved	SW-846 601	LOB	mg/l		mg/l	
07055	Lead		7439-92-1	N.D.		0.0069	1
Wet Cl	hemistry	EPA 300.0		mg/l		mg/l	
	Sulfate		14808-79-8	6.1		1.5	5
		EPA 353.2		mg/l		mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.		0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.		0.015	1
		EPA 365.1		mg/l		mg/l	
00227	Total Phosphorus as		7723-14-0	0.14		0.080	1
		SM20 2540	С	mg/l		mg/l	
00212	Total Dissolved Sol	ids	n.a.	448		9.7	1
		SM20 2540	D	mg/l		mg/l	
00206	Total Suspended Sol	ids	n.a.	24.0		3.0	1
		SM20 45001 modified	NH3 B/C	mg/l		mg/l	
00221	Ammonia Nitrogen	- 	7664-41-7	N.D.		0.20	1
Microl	biology	SM20 9215	В	cfu/m	1	cfu/ml	
	Heterotrophic Plate		n.a.	13		1	n.a.

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: MW-30i Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834705 LLI Group # 1170679

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 15:34 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30I SDG#: LEC83-02

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	19:53	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/19/2009	23:19	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 ed	093170000A	11/13/2009	11:55	Dustin A Underkoffler	1
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:11	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09322196102B	11/19/2009	01:21	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106103A	11/15/2009	07:33	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102A	11/12/2009	18:54	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101B	11/16/2009	20:32	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101B	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09320021201A	11/16/2009	08:25	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09322022102A	11/18/2009	17:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KS	11/14/2009	14:11	Kimberly A Small	n.a.



As Received

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Sample Description: MW-30s Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834706 LLI Group # 1170679

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 16:53 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30S SDG#: LEC83-03

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	63	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	140	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	350	10	10
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105			74-82-8	4,400	100	20
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	LOB	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate	EIII 300.0	14808-79-8	N.D.	1.5	5
		EPA 353.2		mg/l	mg/l	
00000	Nitrate Nitrogen	EPA 333.2	14707 55 0	N.D.	0.040	1
00220 00219	3		14797-55-8 14797-65-0	N.D.	0.040	1 1
00219	Niciice Niciogen		14/9/-65-0	N.D.	0.015	ı
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	457	9.7	1
		SM20 2540	ח	mg/l	mg/l	
00206	Total Suspended Sol		n.a.	33.2	3.0	1
		GW20 4500	mra n/a	mg/l	mg/l	
		SM20 4500N modified	инэ в/С	™A\	mg/ I	
00221	Ammonia Nitrogen		7664-41-7	1.3	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	ustantanahia Dista			700		

00307 Heterotrophic Plate Count n.a. 720
This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: MW-30s Grab Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834706 LLI Group # 1170679

NJ

Project Name: L. E. Carpenter

Collected: 11/11/2009 16:53 by SP Account Number: 09322

Submitted: 11/12/2009 08:50 RMT, Inc.
Reported: 11/24/2009 at 10:08 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CA30S SDG#: LEC83-03

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009	20:17	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/21/2009	21:11	Brian K Graham	10
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093170000A	11/13/2009	12:08	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 ed	093170000A	11/16/2009	09:04	Dustin A Underkoffler	20
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:13	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09322196102B	11/19/2009	01:37	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106103A	11/15/2009	07:34	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102A	11/12/2009	18:56	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109101B	11/16/2009	20:34	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109101B	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09320021201A	11/16/2009	08:25	Susan E Hibner	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020601A	11/13/2009	08:11	Susan A Engle	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	. 1	09322022102A	11/18/2009	17:30	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KS	11/14/2009	14:11	Kimberly A Small	n.a.



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Sample Description: TB-04 Water

225676

L.E. Carpenter, NJ

LLI Sample # WW 5834707 LLI Group # 1170679

NT.T

Project Name: L. E. Carpenter

Collected: 11/08/2009 Account Number: 09322

 Submitted: 11/12/2009 08:50
 RMT, Inc.

 Reported: 11/24/2009 at 10:08
 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

CAR-T SDG#: LEC83-04TB*

Dilution Factor
1
1
1
1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial# Batch#		Analysis	Analyst	Dilution		
No.					Date and Time		Factor		
10371	BTEX by 624	EPA 624	1	E093171AA	11/13/2009 20:40	Jason M Long	1		



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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170679

Reported: 11/24/09 at 10:08 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: E093171AA Benzene Ethylbenzene Toluene Xylene (total)	Sample number N.D. N.D. N.D. N.D. N.D.	er(s): 583 0.9 0.8 0.8 0.9	4704-5834 ug/l ug/l ug/l ug/l	707 110 107 108 109		80-121 83-109 83-111 81-115		
Batch number: 09318WAC625 bis(2-Ethylhexyl)phthalate	Sample numbe	er(s): 583 1.	4704-5834 ug/l	706 92		74-118		
Batch number: 093170000A Ethane Ethene Methane Propane	Sample number N.D. N.D. N.D. N.D. N.D.	er(s): 583 1.0 1.0 5.0 1.0	4704-5834 ug/l ug/l ug/l ug/l	706 98 97 97 97		80-120 80-120 80-120 73-125		
Batch number: 093171848009 Lead	Sample numbe	er(s): 583 0.0069	4704-5834 mg/l	706 100		80-120		
Batch number: 09316105102A Nitrite Nitrogen	Sample numbe	er(s): 583 0.015	4704-5834 mg/l	706 95		90-110		
Batch number: 09318109101B Total Phosphorus as P (water)	Sample numbe	er(s): 583 0.080	4704-5834 mg/l	706 91		90-110		
Batch number: 09319106103A Nitrate Nitrogen	Sample numbe	er(s): 583 0.040	4704-5834 mg/l	706 105		90-110		
Batch number: 09322196102B Sulfate	Sample number N.D.	er(s): 583 0.30	4704-5834 mg/l	706 100		89-110		
Batch number: 09317020601A Total Suspended Solids	Sample numbe	er(s): 583 3.0	4704-5834 mg/l	706 95		74-113		
Batch number: 09320021201A Total Dissolved Solids	Sample numbe	er(s): 583 9.7	4704-5834 mg/l	706 95		80-120		
Batch number: 09322022102A Ammonia Nitrogen	Sample numbe	er(s): 583 0.20	4704-5834 mg/l	706 93	92	85-105	1	5

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170679

Reported: 11/24/09 at 10:08 AM

Reported: 11/24/09 at 10:		MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name		%REC	Limits	RPD	<u>MAX</u>	Conc	Conc	RPD	Max
Batch number: E093171AA Benzene Ethylbenzene Toluene Xylene (total)	115 112 113	umber(s) 113 111 112 113	: 5834704 83-132 82-124 84-123 79-130	-583470 2 1 1	7 UNSPE 30 30 30 30 30	C: P834351			
Batch number: 09318WAC625 bis(2-Ethylhexyl)phthalate		umber(s) 95	: 5834704 39-165	-583470 2	6 UNSPI 30	C: P834351			
Batch number: 093170000A Ethane Ethene Methane Propane	76 79 -7167 (2)	umber(s) 88 90 -7333 (2) 80	: 5834704 34-153 35-162 35-157	-583470 14 14 7	6 UNSPF 20 20 20 20	C: P834351			
Batch number: 093171848009 Lead		umber(s) 98	: 5834704 75-125	-583470 0	6 UNSPI 20	C: P834351 N.D.	BKG: P834351 N.D.	0 (1)	20
Batch number: 09316105102A Nitrite Nitrogen	Sample nu 98	umber(s)	: 5834704 90-110	-583470	6 UNSPR	C: P834802 0.060	BKG: P834802 0.066	9 (1)	20
Batch number: 09318109101B Total Phosphorus as P (water)	Sample nu 91	umber(s)	: 5834704 90-110	-583470	6 UNSPR	C: 5834704 N.D.	BKG: 5834704 N.D.	0 (1)	3
Batch number: 09319106103A Nitrate Nitrogen	Sample nu 104	umber(s)	: 5834704 90-110	-583470	6 UNSPR	C: P834645 N.D.	BKG: P834645 N.D.	0 (1)	2
Batch number: 09322196102B Sulfate	Sample nu 104	umber(s)	: 5834704 90-110	-583470	6 UNSPR	C: P834351 N.D.	BKG: P834351 N.D.	0 (1)	20
Batch number: 09317020601A Total Suspended Solids	Sample n	umber(s)	: 5834704	-583470	6 BKG:	P834351 39.0	40.5	4 (1)	9
Batch number: 09320021201A Total Dissolved Solids		umber(s)	: 5834704 54-143	-583470 1	6 UNSPR 12	C: P833583 1,330	BKG: P833583 1,440	8	9
Batch number: 09322022102A Ammonia Nitrogen	Sample nu	umber(s)	: 5834704	-583470	6 BKG:	P833374 7.5	7.6	2	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624
Batch number: E093171AA

Batch numb	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene	
5834704	98	99	88	
5834705	97	97	94	
5834706	98	98	113	
5834707	97	98	91	
Blank	99	97	92	

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Page 3 of 3

Quality Control Summary

Group Number: 1170679 Client Name: RMT, Inc.

Reported: 11/24/09 at 10:08 AM

Surrogate Quality Control

LCS	98	102	99
MS	100	101	97
MSD	100	99	98
Limits:	76-114	80-120	86-115

Analysis Name: bis-(2-ethylhexyl)phthalate

Batch number: 09318WAC625

	Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	
5834704	94	101	76	
5834705	91	100	74	
5834706	96	89	75	
Blank	95	98	73	
LCS	93	98	75	
MS	91	99	77	
MSD	91	98	77	
Limits:	56-120	62-121	44-134	

Analysis Name: Volatile Headspace Hydrocarbon Batch number: 093170000A Propene

5834704	69
5834705	60
5834706	61
Blank	82
LCS	75
MS	43
MSD	61

Limits: 42-131

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody



COC# 225676

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.



Environmental Sample Administration Receipt Documentation Log

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Client/	Project:	RMT		Shippin	g Containe	er Sealed: (Y E	S NO	
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Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

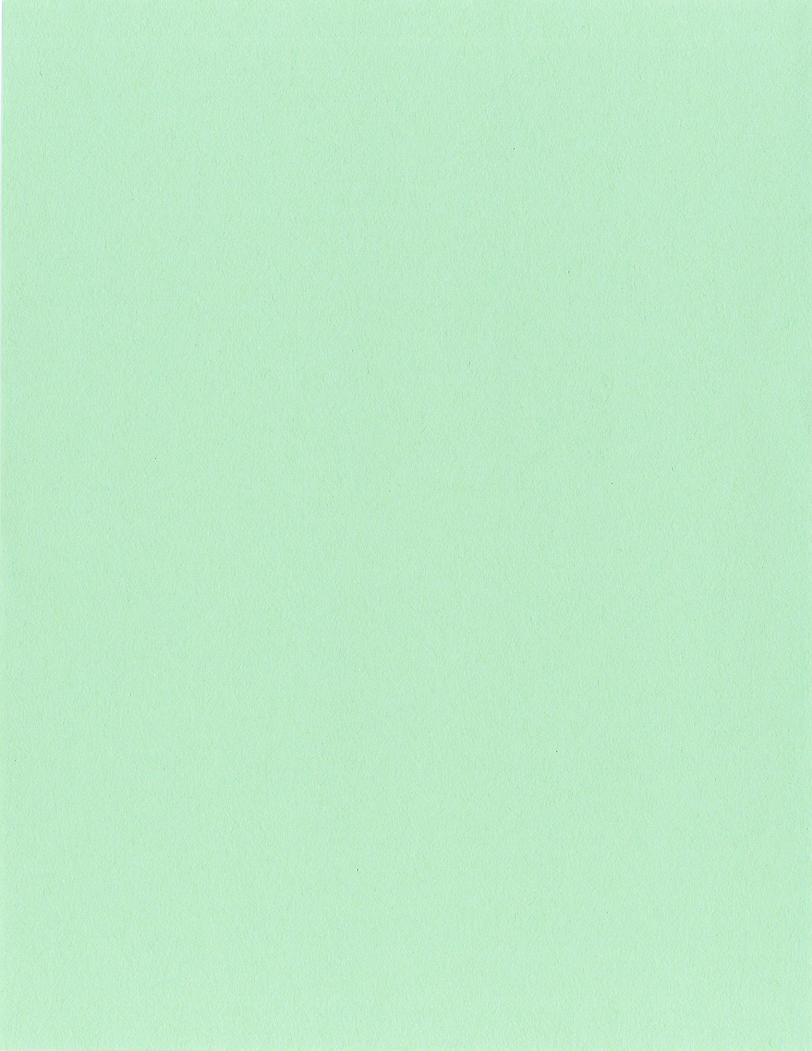
9	lifier	(uu	9	 u	" 9	•

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 24, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Thursday, November 12, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170827.

Client Sample Description	<u>Lancaster Labs (LLI) #</u>
MW-34s Grab Water	5835815
MW-35s Grab Water	5835816
MW-32s Grab Water	5835817
MW-31s Grab Water	5835818
MW-33s Grab Water	5835819
TB-05 Water	5835820

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Diane L. Lockard Group Leader

Jarans &. I ensill



As Received

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Page 1 of 2

Sample Description: MW-34s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835815 LLI Group # 1170827

Dilution

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 07:15 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC34 SDG#: LEC84-01

СУТ

GC/MS Vol							
		EPA 624		ug/l		ug/l	
10371 Benz	zene		71-43-2	N.D.		0.9	1
	ylbenzene		100-41-4	440		8	10
10371 Tolu			108-88-3	N.D.		0.8	1
10371 Xyle	ene (total)		1330-20-7	1,000		9	10
GC/MS Sem	nivolatiles	EPA 625		ug/l		ug/l	
00553 bis	(2-Ethylhexyl)pht	halate	117-81-7	4	J	1	1
GC Miscel		RSKSOP-175	08/11/94	ug/l		ug/l	
07105 Etha		modified	74-84-0	N.D.		1.0	1
07105 Ethe			74-85-1	N.D.		1.0	1
	hane		74-82-8	4,400		100	20
07105 Prop	pane		74-98-6	N.D.		1.0	1
Wet Chemi	stry	EPA 300.0		mg/l		mg/l	
00228 Sulf	-		14808-79-8	9.8		1.5	5
		EPA 353.2		mg/l		mg/l	
00220 Nit:	rate Nitrogen		14797-55-8	N.D.		0.040	1
	rite Nitrogen		14797-65-0	0.059		0.015	1
		EPA 365.1		mg/l		mg/l	
00227 Tota	al Phosphorus as	P (water)	7723-14-0	N.D.		0.080	1
		SM20 2540	С	mg/l		mg/l	
00212 Tota	al Dissolved Soli	.ds	n.a.	462		9.7	1
		SM20 2540	D	mg/l		mg/l	
00206 Tota	al Suspended Soli	.ds	n.a.	293		7.5	1
		SM20 4500N modified	н3 в/С	mg/l		mg/l	
The	onia Nitrogen reporting limit ple volume.	for ammonia n	7664-41-7 Litrogen was in	N.D. creased	due to insufficient	0.20	1

As Received

Microbiology SM20 9215 B cfu/ml cfu/ml 00307 Heterotrophic Plate Count n.a. 45

Spreader-type colony growth was observed on one or more of the plates used in enumerating this sample. This growth may have interfered with an accurate counting of the plate.

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Page 2 of 2

Sample Description: MW-34s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835815 LLI Group # 1170827

ŊJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 07:15 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC34 SDG#: LEC84-01

CAT Analysis Name CAS Number Result Detection Limit Factor

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	02:36	Jason M Long	1
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	03:00	Jason M Long	10
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/20/2009	01:46	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 ed	093200000A	11/16/2009	12:47	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1	093200000A	11/16/2009	14:38	Dustin A Underkoffler	20
00228	Sulfate	EPA 300.0	1	09323196602A	11/19/2009	22:05	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:08	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102B	11/12/2009	20:30	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109102A	11/17/2009	21:25	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109102A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602A	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	2	09327022101A	11/23/2009	18:00	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KAH	11/16/2009	12:00	Keith A Hoover	n.a.



As Received

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Page 1 of 2

Sample Description: MW-35s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835816 LLI Group # 1170827

Dilution

n.a.

Project Name: L. E. Carpenter

Collected: 11/12/2009 08:00 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc. Reported: 11/24/2009 at 14:18 PO Box 8923

Madison WI 53708-8923 Discard: 12/25/2009

LEC35 SDG#: LEC84-02

СУТ

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	45	50
10371	Ethylbenzene		100-41-4	8,900	40	50
10371	4		108-88-3	N.D.	40	50
10371	Xylene (total)		1330-20-7	69,000	450	500
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	3,000	490	500
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105	Methane		74-82-8	8,400	250	50
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	0в	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	17.1	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	_		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	508	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol		n.a.	26.8	3.0	1
		SM20 4500N modified	нз в/с	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	0.84	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	

As Received

00307 Heterotrophic Plate Count 1,100 Spreader-type colony growth was observed on one or more of the plates used in enumerating this sample. This growth may have interfered with an accurate counting of the plate.

n.a.



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Page 2 of 2

Sample Description: MW-35s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835816 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 08:00 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC35 SDG#: LEC84-02

CAT Analysis Name CAS Number Result As Received Method Dilution Factor

Microbiology SM20 9215 B cfu/ml cfu/ml

This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	03:23	Jason M Long	50
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	03:46	Jason M Long	500
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/21/2009	21:58	Brian K Graham	500
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093200000A	11/16/2009	13:01	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093200000A	11/16/2009	14:51	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:22	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09323196602A	11/19/2009	22:53	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:09	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102B	11/12/2009	20:33	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109102A	11/17/2009	21:26	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109102A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602A	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09323022101A	11/19/2009	17:50	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KAH	11/16/2009	12:00	Keith A Hoover	n.a.



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Sample Description: MW-32s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835817 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 09:00 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC32 SDG#: LEC84-03

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	18	20
10371	Ethylbenzene		100-41-4	3,800	16	20
10371	Toluene		108-88-3	N.D.	16	20
10371	Xylene (total)		1330-20-7	29,000	180	200
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	2,300	98	100
aa wa	scellaneous	DOWGOD 17E	00/11/04	ug/l	ug/l	
GC M1	scerraneous	RSKSOP-175 modified	08/11/94	49/1	ug/ 1	
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105			74-82-8	7,300	250	50
	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	ΛB	mq/l	mg/l	
07055		DM-040 001	7439-92-1	N.D.	0.0069	1
07055	Lead		7439-92-1	N.D.	0.0069	T
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	47.9	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	_		14797-65-0	N.D.	0.015	1
	_			/2	/2	
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	691	19.4	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol		n.a.	208	15.0	1
		aron 4500-	m:2 D/G	mg/l	mg /1	
		SM20 4500N modified	IH3 B/C	mg/ ±	mg/l	
00221	Ammonia Nitrogen	modified	7664-41-7	1.2	0.20	1
	, and the second					
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
00307	Heterotrophic Plate	Count	n.a.	5,200	1	n.a.



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Sample Description: MW-32s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835817 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 09:00 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC32 SDG#: LEC84-03

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	04:10	Jason M Long	20
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	04:33	Jason M Long	200
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/22/2009	08:20	Brian K Graham	100
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093200000A	11/16/2009	13:14	Dustin A	1
	Hydrocarbon	08/11/94 modifie	d				Underkoffler	
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093200000A	11/16/2009	15:06	Dustin A Underkoffler	50
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:24	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09323196602A	11/19/2009	23:09	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:10	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102B	11/12/2009	20:35	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109102A	11/17/2009	21:27	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109102A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602A	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09323022101A	11/19/2009	17:50	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KAH	11/16/2009	12:00	Keith A Hoover	n.a.



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Sample Description: MW-31s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835818 LLI Group # 1170827

n.a.

Project Name: L. E. Carpenter

Collected: 11/12/2009 09:45 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc. Reported: 11/24/2009 at 14:18 PO Box 8923

Madison WI 53708-8923 Discard: 12/25/2009

LEC31 SDG#: LEC84-04

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	5	5
10371	Ethylbenzene		100-41-4	1,300	4	5
10371	Toluene		108-88-3	5 J	4	5
10371	Xylene (total)		1330-20-7	7,400	45	50
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
•	bis(2-Ethylhexyl)ph		117-81-7	340	10	10
GC Mi	scellaneous	RSKSOP-175	5 08/11/94	ug/l	ug/l	
07105	Ethane	modified	74-84-0	N.D.	1.0	1
07105			74-84-0	N.D.	1.0	1
07105			74-83-1	3,200	100	20
	Propane		74-98-6	N.D.	1.0	1
07103	Tropunc		71 30 0	N.D.	1.0	<u> </u>
Metal	s Dissolved	SW-846 601	L0B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
	Sulfate		14808-79-8	187	6.0	20
		EPA 353.2		mg/l	mg/l	
00000	Nitroto Nitrogon	EPA 333.2	14707 FF 0	N.D.	0.040	1
00220	Nitrate Nitrogen Nitrite Nitrogen		14797-55-8 14797-65-0	N.D.	0.040	1
00219	Nicilice Niciogen		14/9/-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	619	19.4	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol		n.a.	7.6 J	3.0	1
		SM20 45001 modified	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	9.1	0.20	1
Microl	biology	SM20 9215	В	cfu/ml	cfu/ml	
-110101	91	21120 2213	-	•	•	

100,000

00307 Heterotrophic Plate Count Spreader-type colony growth was observed on one or more of the plates used in enumerating this sample. This growth may have interfered with an accurate counting of the plate.

n.a.

For direct and 1:100 plates: plates made up of spreaders covering approximately 75% to 100% of plate.



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Sample Description: MW-31s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835818 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 09:45 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC31 SDG#: LEC84-04

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	04:56	Jason M Long	5
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009	05:20	Jason M Long	50
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09318WAC625	11/22/2009	09:08	Brian K Graham	10
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace	RSKSOP-175	1	093200000A	11/16/2009	13:42	Dustin A	1
	Hydrocarbon	08/11/94 modifie	d				Underkoffler	
07105	Volatile Headspace	RSKSOP-175	1	093200000A	11/17/2009	07:15	Dustin A	20
	Hydrocarbon	08/11/94 modifie	d				Underkoffler	
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:28	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
	rec)							
00228	Sulfate	EPA 300.0	1	09323196602A	11/19/2009	23:25	Ashley M Adams	20
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:11	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102B	11/12/2009	20:36	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109102A	11/17/2009	21:28	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109102A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602A	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09323022101A	11/19/2009	17:50	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KAH	11/16/2009	12:00	Keith A Hoover	n.a.



As Received

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Sample Description: MW-33s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835819 LLI Group # 1170827

Dilution

n.a.

Project Name: L. E. Carpenter

Collected: 11/12/2009 10:40 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc. Reported: 11/24/2009 at 14:18 PO Box 8923

Madison WI 53708-8923 Discard: 12/25/2009

LEC33 SDG#: LEC84-05

CAT

No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	4		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	2 J	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	790	20	20
GC Mi	scellaneous	RSKSOP-17 modified	5 08/11/94	ug/l	ug/l	
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105	Methane		74-82-8	3,200	100	20
07105	Propane		74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846 60	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	7.2	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	N.D.	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	518	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	85.0	7.5	1
		SM20 4500 modified	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	5.8	0.20	1
Microl	biology	SM20 9215	В	cfu/ml	cfu/ml	

670

As Received

00307 Heterotrophic Plate Count Spreader-type colony growth was observed on one or more of the plates used in enumerating this sample. This growth may have interfered with an accurate counting of the plate.

n.a.

For direct and 1:10 plates: plates made up of spreaders covering approximately 75% to 100% of plates.



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Sample Description: MW-33s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5835819 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 10:40 by SP Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LEC33 SDG#: LEC84-05

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371 00553	BTEX by 624 bis-(2-ethylhexyl)phthalate	EPA 624 EPA 625	1 1	E093172AA 09318WAC625	11/14/2009 11/22/2009	05:43 09:55	Jason M Long Brian K Graham	1 20
08108	625 Water Extraction	EPA 625	1	09318WAC625	11/14/2009	22:00	Sherry L Morrow	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	d 1	093200000A	11/16/2009	13:56	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modifie	1 d	093200000A	11/17/2009	07:29	Dustin A Underkoffler	20
07055	Lead	SW-846 6010B	1	093171848009	11/21/2009	01:30	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093171848009	11/16/2009	09:23	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	09323196602A	11/19/2009	23:40	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:13	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09316105102B	11/12/2009	20:37	Joseph E McKenzie	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09318109102A	11/17/2009	21:29	Venia B McFadden	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09318109102A	11/14/2009	17:00	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602A	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09323022101A	11/19/2009	17:50	Luz M Groff	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111209KAH	11/16/2009	12:00	Keith A Hoover	n.a.



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Sample Description: TB-05 Water

L.E. Carpenter, NJ

LLI Sample # WW 5835820 LLI Group # 1170827

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 Account Number: 09322

Submitted: 11/12/2009 17:10 RMT, Inc.
Reported: 11/24/2009 at 14:18 PO Box 8923

Discard: 12/25/2009 Madison WI 53708-8923

LECTB SDG#: LEC84-06TB*

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10371	BTEX by 624	EPA 624	1	E093172AA	11/14/2009 06:06	Jason M Long	1



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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170827

Reported: 11/24/09 at 02:18 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: E093172AA	Sample numbe				100	00 101		2.0
Benzene Ethylbenzene	N.D. N.D.	0.9 0.8	ug/l ug/l	108 104	107 104	80-121 83-109	1 0	30 30
Toluene	N.D.	0.8	ug/l	105	104	83-111	0	30
Xylene (total)	N.D.	0.9	ug/l	107	106	81-115	0	30
Batch number: 09318WAC625	Sample number							
bis(2-Ethylhexyl)phthalate	N.D.	1.	ug/l	92		74-118		
Batch number: 093200000A	Sample numbe	er(s): 583		319				
Ethane	N.D.	1.0	ug/l	98		80-120		
Ethene	N.D.	1.0	ug/l	97		80-120		
Methane	N.D.	5.0	ug/l	97		80-120		
Propane	N.D.	1.0	ug/l	98		73-125		
Batch number: 093171848009	Sample numbe	r(s): 583	5816-58358	319				
Lead	N.D.	0.0069	mg/l	100		80-120		
Batch number: 09316105102B	Sample numbe			319				
Nitrite Nitrogen	N.D.	0.015	mg/1	95		90-110		
Batch number: 09318109102A	Sample numbe	er(s): 583	5815-58358	319				
Total Phosphorus as P (water)	N.D.	0.080	mg/1	93		90-110		
Batch number: 09319106104A	Sample numbe	er(s): 583	5815-58358	319				
Nitrate Nitrogen	N.D.	0.040	mg/l	100		90-110		
Batch number: 09323196602A	Sample numbe	er(s): 583	5815-58358	319				
Sulfate	N.D.	0.30	mg/l	104		89-110		
Batch number: 09317020602A	Sample numbe	er(s): 583	5815-58358	319				
Total Suspended Solids	N.D.	3.0	mg/l	99		74-113		
Batch number: 09321021201A	Sample numbe	er(s): 583	5815-58358	319				
Total Dissolved Solids	N.D.	9.7	mg/l	91		80-120		
Batch number: 09323022101A	Sample numbe	er(s): 583	5816-58358	319				
Ammonia Nitrogen	N.D.	0.20	mg/l	92		85-105		
Batch number: 09327022101A	Sample numbe	er(s): 583	5815					
Ammonia Nitrogen	N.D.	0.20	mg/l	92	94	85-105	2	5

Sample Matrix Quality Control

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Group Number: 1170827 Client Name: RMT, Inc.

Reported: 11/24/09 at 02:18 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD <u>%REC</u>	MS/MSD Limits	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E093172AA Benzene Ethylbenzene Toluene Xylene (total)	Sample 116 110 111 111	number(s)	: 5835815 83-132 82-124 84-123 79-130	-583582	20 UNSP	K: P834645			
Batch number: 09318WAC625 bis(2-Ethylhexyl)phthalate	Sample 97	number(s) 95	: 5835815 39-165	-583581 2	L9 UNSP 30	K: P834351			
Batch number: 093200000A Ethane Ethene Methane Propane	Sample 92 93 93 90	number(s) 83 84 83 85	: 5835815 34-153 35-162 35-157 36-149	-583581 10 11 11 6	20 20 20 20 20 20	K: P834781			
Batch number: 093171848009 Lead	Sample 98	number(s) 98	: 5835816 75-125	-583581 0	L9 UNSP 20	K: P834351 N.D.	BKG: P834351 N.D.	0 (1)	20
Batch number: 09316105102B Nitrite Nitrogen	Sample 95	number(s)	: 5835815 90-110	-583581	L9 UNSP	K: 5835815 0.059	BKG: 5835815 0.061	3 (1)	20
Batch number: 09318109102A Total Phosphorus as P (water)	Sample 94	number(s)	: 5835815 90-110	-583581	L9 UNSP	K: P835687 N.D.	BKG: P835687 N.D.	0 (1)	3
Batch number: 09319106104A Nitrate Nitrogen	Sample 103	number(s)	: 5835815 90-110	-583581	L9 UNSP	K: P836114 N.D.	BKG: P836114 N.D.	0 (1)	2
Batch number: 09323196602A Sulfate	Sample 96	number(s)	: 5835815 90-110	-583581	L9 UNSP	K: 5835815 9.8	BKG: 5835815 9.7	0 (1)	20
Batch number: 09317020602A Total Suspended Solids	Sample	number(s)	: 5835815	-583581	L9 BKG	: 5835817 208	218	5 (1)	9
Batch number: 09321021201A Total Dissolved Solids	Sample 103	number(s)	: 5835815 54-143	-583581 0	L9 UNSP 12	K: 5835818 619	BKG: 5835818 630	2	9
Batch number: 09323022101A Ammonia Nitrogen	Sample 86	number(s) 87	: 5835816 64-128	-583581 2	L9 UNSP 8	K: P834802 4.1	BKG: P834802	1	2
Batch number: 09327022101A Ammonia Nitrogen	Sample	number(s)	: 5835815	BKG:	P84040	5 3.9	3.7	6*	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624 Batch number: E093172AA

Fluorobenzene 4-Bromofluorobenzene 1,2-Dichloroethane-d4

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

^{*-} Outside of specification



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Page 3 of 3

Quality Control Summary

	me: RMT, Inc. 11/24/09 at 02:18 P		up Number	: 1170827
-		Surrogate	Quality	Control
5835815 5835816 5835817 5835818 5835819 5835820 Blank LCS LCSD MS	101 100 100 100 102 101 100 99 100	97 96 95 97 96 97 98 100 100	110 108 109 110 107 95 93 99 98	
Limits:	76-114	80-120	86-115	
Analysis Na Batch numbe	me: bis-(2-ethylhexyl)phth r: 09318WAC625 Nitrobenzene-d5	nalate 2-Fluorobiphenyl	Terphen	yl-d14
5835815	91	96	74	
5835816	32*	66	49	
5835817	87	90	77	
5835818	100	102	89	
5835819	92	104	98	
Blank LCS	95	98	73 75	
MS	93 91	98 99	75 77	
MSD	91	98	7 7 7 7	
MSD	91	30	7 7	
Limits:	56-120	62-121	44-134	
	me: Volatile Headspace Hyd r: 093200000A Propene	drocarbon		
5835815	68			
5835816	55			
5835817	55			
5835818	67			
5835819	64			
Blank	95			
LCS	85			
MS	86			
MSD	74			
Limits:	42-131			

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Acct. # 9327 Group# 1 76827 Sample # 5835815 - 26 COC # 225677

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Project Name/#: LE CARPEN						H	0	И	5	0	\$	_	_	O	Preservation	n Codes T=Thiosul	lfate	
Project Manager: JENNIFER			35			100	מיון שכיל	1 by 2	13	Suron	, Di Tacqa.	Vicos			N=HNO ₃	B=NaOH D=Other	iidic	(6) €
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Environmental Sample Administration Receipt Documentation Log

Client/	Project: <u>¥</u>	MT		Shipping Container Sealed: YE\$ NO							
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Time o	of Receipt:	17:10	<u> </u>	* Custody	seal was inta	ct unless otherwis	e noted in the				
Source	Code:	0		discrepancy section Package: Chilled Not							
Unpac	ker Emp. No.:	21	14	Package: Chilled N							
			Temperature of	re of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments				
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Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- < less than The number following the sign is the <u>limit of quantitation</u>, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- ppm parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

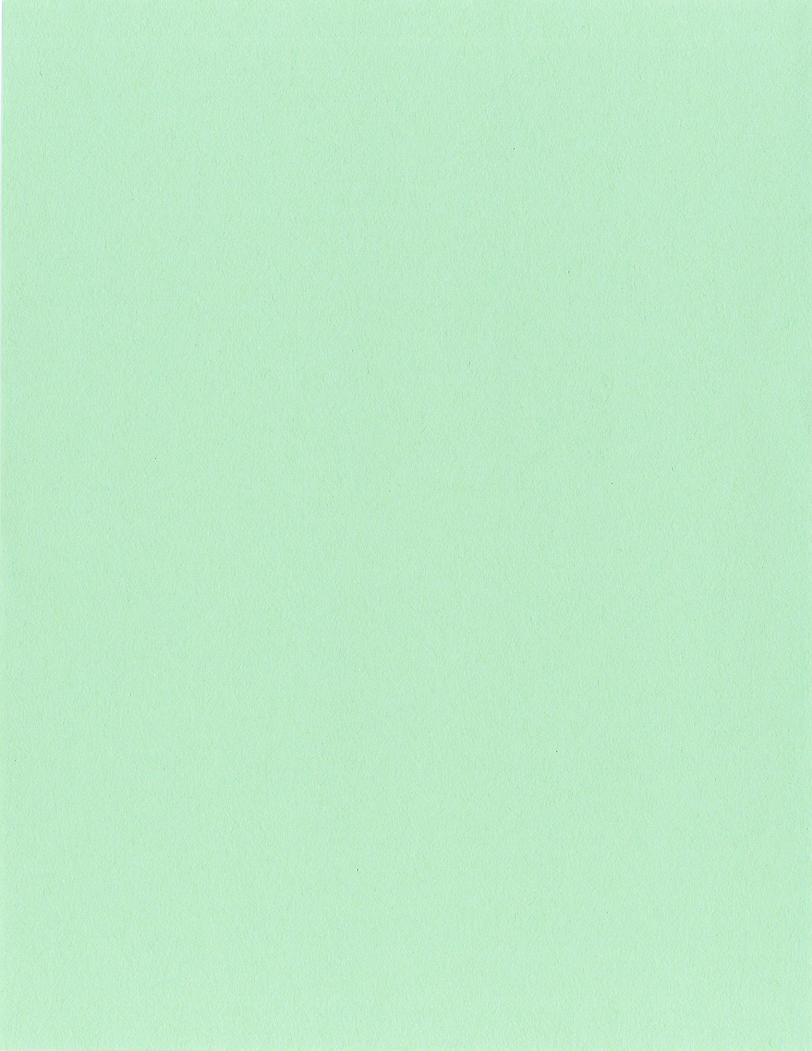
9	lifier	(uu	9	 u	" 9	•

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 23, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Friday, November 13, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1170898.

Client Sample Description	<u>Lancaster Labs (LLI) #</u>
MW-28i Grab Water	5836171
MW-28s Grab Water	5836172
DUP-02 Grab Water	5836173
RB-02 Grab Water	5836174
TB-06 Water	5836175

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



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Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Diane L. Lockard Group Leader

Jarans &. I ensill



As Received

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Page 1 of 2

Sample Description: MW-28i Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836171 LLI Group # 1170898

Dilution

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 14:20 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

MW28I SDG#: LEC85-01

СУТ

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	4		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	15	0.9	1
GC Mi	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
07105	Ethane	modified	74-84-0	N.D.	1.0	1
07105	Ethene		74-84-0	N.D.	1.0	1
07105			74-83-1	190	5.0	1
07105			74-98-6	N.D.	1.0	1
07103	riopane		74-90-0	N.D.	1.0	1
Metal	s Dissolved	SW-846 601	L0B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	7.8	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	_		14797-65-0	N.D.	0.015	1
00213	Hidiida Hidiogan		11/3/ 03 0		0.015	-
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	0.11	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	445	9.7	1
		SM20 2540	ח	mg/l	mg/l	
00206	Motol Cuanonded Col			18.0	3.0	1
00206	Total Suspended Sol	ius	n.a.	10.0	3.0	1
		SM20 4500N	NH3 B/C	mg/l	mg/l	
		modified				
00221	Ammonia Nitrogen		7664-41-7	0.38 J	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
	- 32					

As Received

00307 Heterotrophic Plate Count n.a. 4
This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Page 2 of 2

Sample Description: MW-28i Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836171 LLI Group # 1170898

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 14:20 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

MW28I SDG#: LEC85-01

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093241AA	11/20/2009	19:03	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09321WAA625	11/18/2009	16:54	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09321WAA625	11/17/2009	14:50	Kevin P Love	1
07105	Volatile Headspace	RSKSOP-175	1	093200007A	11/19/2009	09:49	Dustin A	1
	Hydrocarbon	08/11/94 modifie	:d				Underkoffler	
07055	Lead	SW-846 6010B	1	093201848001	11/18/2009	21:29	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093201848001	11/16/2009	19:50	Mirit S Shenouda	1
	rec)							
00228	Sulfate	EPA 300.0	1	09323196601B	11/19/2009	16:46	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:22	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09317105101A	11/13/2009	12:41	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09317109101A	11/16/2009	19:43	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09317109101A	11/13/2009	17:45	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602B	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	. 1	09324022101A	11/20/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111309KS	11/16/2009	16:38	Kimberly A Small	n.a.



As Received

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Page 1 of 2

Sample Description: MW-28s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836172 LLI Group # 1170898

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 15:37 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

MW28S SDG#: LEC85-02

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	10	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	67	0.9	1
GC/MS	Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	130	5	5
GC Mis	scellaneous	RSKSOP-175	08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105	Methane		74-82-8	460	10	2
07105	Propane		74-98-6	N.D.	1.0	1
Metals	s Dissolved	SW-846 601	LOB	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet Cl	nemistry	EPA 300.0		mg/l	mg/l	
00228	Sulfate		14808-79-8	4.2 J	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	Nitrite Nitrogen		14797-65-0	0.058	0.015	1
		EPA 365.1		mg/l	mg/l	
00227	Total Phosphorus as	P (water)	7723-14-0	0.16	0.080	1
		SM20 2540	С	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	408	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	17.2	3.0	1
		SM20 4500N modified	инз в/С	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
Microbiology		SM20 9215	В	cfu/ml	cfu/ml	
00307	Heterotrophic Plate	Count	n.a.	54	1	n.a.



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Page 2 of 2

Sample Description: MW-28s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836172 LLI Group # 1170898

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 15:37 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

MW28S SDG#: LEC85-02

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093241AA	11/20/2009	19:50	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09321WAA625	11/19/2009	01:53	Brian K Graham	5
08108	625 Water Extraction	EPA 625	1	09321WAA625	11/17/2009	14:50	Kevin P Love	1
07105	Volatile Headspace	RSKSOP-175	1	093200007A	11/19/2009	10:04	Dustin A	1
	Hydrocarbon	08/11/94 modifie	:d				Underkoffler	
07105	Volatile Headspace	RSKSOP-175	1	093200007A	11/19/2009	14:27	Dustin A	2
	Hydrocarbon	08/11/94 modifie	:d				Underkoffler	
07055	Lead	SW-846 6010B	1	093201848001	11/18/2009	21:33	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093201848001	11/16/2009	19:50	Mirit S Shenouda	1
	rec)							
00228	Sulfate	EPA 300.0	1	09323196601B	11/19/2009	17:34	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104A	11/15/2009	08:24	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09317105101A	11/13/2009	13:21	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09317109101A	11/16/2009	19:45	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09317109101A	11/13/2009	17:45	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602B	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	! 1	09324022101A	11/20/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111309KS	11/16/2009	16:38	Kimberly A Small	n.a.



As Received

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Sample Description: DUP-02 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836173 LLI Group # 1170898

Dilution

n.a.

NJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

28-D2 SDG#: LEC85-03FD

СУТ

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	S Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	S Semivolatiles	EPA 625		ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	11	0.9	1
GC M	iscellaneous	RSKSOP-175	5 08/11/94	ug/l	ug/l	
		modified				
07105	Ethane		74-84-0	N.D.	1.0	1
07105	Ethene		74-85-1	N.D.	1.0	1
07105			74-82-8	180	5.0	1
07105	Propane		74-98-6	N.D.	1.0	1
Meta:	ls Dissolved	SW-846 601	10B	mg/l	mg/l	
07055	Lead		7439-92-1	N.D.	0.0069	1
Wet (Chemistry	EPA 300.0		mg/l	mg/l	
	Sulfate		14808-79-8	7.8	1.5	5
		EPA 353.2		mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
00219	9		14797-65-0	N.D.	0.015	1
		EPA 365.1		mg/l	mg/l	
00007	Motal Dhagphanus as		7723-14-0	0.13	0.080	1
00227	Total Phosphorus as	P (water)	7723-14-0	0.13	0.080	1
		SM20 2540	C	mg/l	mg/l	
00212	Total Dissolved Sol	ids	n.a.	417	9.7	1
		SM20 2540	D	mg/l	mg/l	
00206	Total Suspended Sol	ids	n.a.	19.6	3.0	1
		SM20 45001	NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	0.47 J	0.20	1
Micro	biology	SM20 9215	В	cfu/ml	cfu/ml	
						

As Received

00307 Heterotrophic Plate Count n.a. 4
This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: DUP-02 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836173 LLI Group # 1170898

ŊJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

28-D2 SDG#: LEC85-03FD

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093241AA	11/20/2009	20:13	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09321WAA625	11/18/2009	18:32	Brian K Graham	1
08108	625 Water Extraction	EPA 625	1	09321WAA625	11/17/2009	14:50	Kevin P Love	1
07105	Volatile Headspace	RSKSOP-175	1	093200007A	11/19/2009	10:17	Dustin A	1
	Hydrocarbon	08/11/94 modifie	:d				Underkoffler	
07055	Lead	SW-846 6010B	1	093201848001	11/18/2009	21:36	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093201848001	11/16/2009	19:50	Mirit S Shenouda	1
	rec)							
00228	Sulfate	EPA 300.0	1	09323196601B	11/19/2009	17:50	Ashley M Adams	5
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104B	11/15/2009	08:25	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09317105101A	11/13/2009	13:14	Venia B McFadden	1
00227	Total Phosphorus as P (water)	EPA 365.1	1	09317109101A	11/16/2009	19:46	Joseph E McKenzie	1
08263	Total Phos as P Prep (water)	EPA 365.1	1	09317109101A	11/13/2009	17:45	Carolyn M Mastropietro	1
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602B	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C modified	1	09324022101A	11/20/2009	08:00	Michele L Graham	1
00307	Heterotrophic Plate Count	SM20 9215 B	1	111309KS	11/16/2009	16:38	Kimberly A Small	n.a.



As Received

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Sample Description: RB-02 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836174 LLI Group # 1170898

Dilution

n.a.

Project Name: L. E. Carpenter

Collected: 11/12/2009 17:00 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc. Reported: 11/23/2009 at 17:14 PO Box 8923

Madison WI 53708-8923 Discard: 12/24/2009

28-B2 SDG#: LEC85-04RB

СУТ

CAT No.	Analysis Name		CAS Number	As Received Result	Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624	1	ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1
GC/MS	Semivolatiles	EPA 625	5	ug/l	ug/l	
00553	bis(2-Ethylhexyl)ph	thalate	117-81-7	N.D.	1	1
GC Miscellaneous		RSKSOP-	-175 08/11/94	ug/l	ug/l	
07105	Ethane	modifie	74-84-0	N.D.	1.0	1
	Ethene		74-85-1	N.D.	1.0	1
	Methane		74-82-8	N.D.	5.0	1
07105			74-98-6	N.D.	1.0	1
Metal	s Dissolved	SW-846	6010B	mg/l	mg/l	
07055			7439-92-1	N.D.	0.0069	1
Wet C	hemistry	EPA 300	0.0	mg/l	mg/l	
	Sulfate		14808-79-8	N.D.	0.30	1
		EPA 353	3.2	mg/l	mg/l	
00220	Nitrate Nitrogen		14797-55-8	N.D.	0.040	1
	Nitrite Nitrogen		14797-65-0	N.D.	0.015	1
		EPA 365	5 1	mg/l	mg/l	
00227	Total Phosphorus as			N.D.	0.080	1
		SM20 25	540 C	mg/l	mg/l	
00212	Total Dissolved Sol		n.a.	N.D.	9.7	1
		SM20 25	540 D	mg/l	mg/l	
00206	Total Suspended Sol		n.a.	N.D.	3.0	1
		SM20 45	500NH3 B/C	mg/l	mg/l	
00221	Ammonia Nitrogen		7664-41-7	N.D.	0.20	1
Micro	biology	SM20 92	215 B	cfu/ml	cfu/ml	
	- 31					

N.D.

As Received

00307 Heterotrophic Plate Count n.a. This result is an estimated count. At least one plate used to calculate the result is outside the established counting range of 30 to 300 colony forming units (cfu) per dilution.



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Sample Description: RB-02 Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5836174 LLI Group # 1170898

ŊJ

Project Name: L. E. Carpenter

Collected: 11/12/2009 17:00 by SP Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

28-B2 SDG#: LEC85-04RB

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Ti	me	Analyst	Dilution Factor
10371	BTEX by 624	EPA 624	1	E093241AA	11/20/2009	20:37	Jason M Long	1
00553	bis-(2-ethylhexyl)phthalate	EPA 625	1	09321WAA625	11/18/2009	19:21	Brian K Graham	1
00553	DIS-(2-echylhexyl) phohatace	EPA 625	1	09321WAA023	11/18/2009	19:21	BITAIL K GTAIIAIII	1
08108	625 Water Extraction	EPA 625	1	09321WAA625	11/17/2009	14:50	Kevin P Love	1
07105	Volatile Headspace	RSKSOP-175	1	093200007A	11/19/2009	10:31	Dustin A	1
	Hydrocarbon	08/11/94 modifie	d		,,,		Underkoffler	
07055	Lead	SW-846 6010B	1	093201848001	11/18/2009	21:39	John P Hook	1
01848	WW SW846 ICP Digest (tot	SW-846 3005A	1	093201848001	11/16/2009	19:50	Mirit S Shenouda	1
	rec)							
00228	Sulfate	EPA 300.0	1	09323196601B	11/19/2009	18:06	Ashley M Adams	1
00220	Nitrate Nitrogen	EPA 353.2	1	09319106104B	11/15/2009	08:29	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	09317105101A	11/13/2009	12:47	Venia B McFadden	1
00227	Total Phosphorus as P	EPA 365.1	1	09317109101A	11/16/2009	19:47	Joseph E McKenzie	1
	(water)							
08263	Total Phos as P Prep	EPA 365.1	1	09317109101A	11/13/2009	17:45	Carolyn M	1
	(water)						Mastropietro	
00212	Total Dissolved Solids	SM20 2540 C	1	09321021201A	11/17/2009	09:02	Hannah M Royer	1
00206	Total Suspended Solids	SM20 2540 D	1	09317020602B	11/13/2009	19:18	Geraldine C Smith	1
00221	Ammonia Nitrogen	SM20 4500NH3 B/C	1	09324022101A	11/20/2009	08:00	Michele L Graham	1
		modified						
00307	Heterotrophic Plate Count	SM20 9215 B	1	111309KS	11/16/2009	16:38	Kimberly A Small	n.a.



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Sample Description: TB-06 Water

L.E. Carpenter, NJ

LLI Sample # WW 5836175 LLI Group # 1170898

NJ

Project Name: L. E. Carpenter

Collected: 11/10/2009 Account Number: 09322

Submitted: 11/13/2009 09:10 RMT, Inc.
Reported: 11/23/2009 at 17:14 PO Box 8923

Discard: 12/24/2009 Madison WI 53708-8923

28-T6 SDG#: LEC85-05TB*

CAT No.	Amalussis Nama		lysis Name CAS Number Result		As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	EPA 624		ug/l	ug/l	
10371	Benzene		71-43-2	N.D.	0.9	1
10371	Ethylbenzene		100-41-4	N.D.	0.8	1
10371	Toluene		108-88-3	N.D.	0.8	1
10371	Xylene (total)		1330-20-7	N.D.	0.9	1

General Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10371	BTEX by 624	EPA 624	1	E093241AA	11/20/2009 21:00	Jason M Long	1



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Quality Control Summary

Client Name: RMT, Inc. Group Number: 1170898

Reported: 11/23/09 at 05:14 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: E093241AA Benzene Ethylbenzene Toluene Xylene (total)	Sample number N.D. N.D. N.D. N.D. N.D.	er(s): 583 0.9 0.8 0.8 0.9	6171-58363 ug/1 ug/1 ug/1 ug/1	175 99 106 108 109	97 107 109 109	80-121 83-109 83-111 81-115	3 1 1 0	3 0 3 0 3 0 3 0
Batch number: 09321WAA625 bis(2-Ethylhexyl)phthalate	Sample numbe	er(s): 583 1.	6171-5836 ug/l	174 94		74-118		
Batch number: 093200007A Ethane Ethene Methane Propane	Sample number N.D. N.D. N.D. N.D. N.D.	er(s): 583 1.0 1.0 5.0 1.0	6171-5836 ug/l ug/l ug/l ug/l	174 98 98 98 98		80-120 80-120 80-120 73-125		
Batch number: 093201848001 Lead	Sample numbe	er(s): 583 0.0069	6171-5836 mg/l	174 101		80-120		
Batch number: 09317105101A Nitrite Nitrogen	Sample numbe	er(s): 583 0.015	6171-5836 mg/l	174 90		90-110		
Batch number: 09317109101A Total Phosphorus as P (water)	Sample number N.D.	er(s): 583 0.080	6171-5836 mg/l	174 91		90-110		
Batch number: 09319106104A Nitrate Nitrogen	Sample number N.D.	er(s): 583 0.040	6171-5836 mg/l	172 100		90-110		
Batch number: 09319106104B Nitrate Nitrogen	Sample number N.D.	er(s): 583 0.040	6173-5836 mg/l	174 100		90-110		
Batch number: 09323196601B Sulfate	Sample number N.D.	er(s): 583 0.30	6171-5836 mg/l	174 99		89-110		
Batch number: 09317020602B Total Suspended Solids	Sample number N.D.	er(s): 583 3.0	6171-5836 mg/l	174 99		74-113		
Batch number: 09321021201A Total Dissolved Solids	Sample number N.D.	er(s): 583 9.7	6171-5836 mg/l	174 91		80-120		
Batch number: 09324022101A Ammonia Nitrogen	Sample number N.D.	er(s): 583 0.20	6171-5836 mg/l	174 87		85-105		

Sample Matrix Quality Control

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

Group Number: 1170898 Client Name: RMT, Inc.

Reported: 11/23/09 at 05:14 PM

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E093241AA Benzene Ethylbenzene Toluene Xylene (total)	Sample 102 113 116 116	number(s)	: 5836171 83-132 82-124 84-123 79-130	-583617	5 UNSPI	X: 5836171			
Batch number: 09321WAA625 bis(2-Ethylhexyl)phthalate	Sample 96	number(s) 96	: 5836171 39-165	-583617 1	4 UNSPI 30	K: P836737			
Batch number: 093200007A Ethane Ethene Methane Propane	Sample 66 67 70 66	number(s) 86 89 87 89	: 5836171 34-153 35-162 35-157 36-149	-583617 27* 27* 27* 21* 30*	4 UNSPI 20 20 20 20 20	X: P836197			
Batch number: 093201848001 Lead	Sample 100	number(s) 99	: 5836171 75-125	-583617 1	4 UNSPI 20	K: P835207 N.D.	BKG: P835207 N.D.	0 (1)	20
Batch number: 09317105101A Nitrite Nitrogen	Sample 93	number(s)	: 5836171 90-110	-583617	4 UNSPI	X: 5836172 0.058	BKG: 5836172 0.060	3 (1)	20
Batch number: 09317109101A Total Phosphorus as P (water)	Sample 94	number(s)	: 5836171 90-110	-583617	4 UNSPI	K: P836233 N.D.	BKG: P836233 N.D.	0 (1)	3
Batch number: 09319106104A Nitrate Nitrogen	Sample 103	number(s)	: 5836171 90-110	-583617	2 UNSPI	K: P836114 N.D.	BKG: P836114 N.D.	0 (1)	2
Batch number: 09319106104B Nitrate Nitrogen	Sample 103	number(s)	: 5836173 90-110	-583617	4 UNSPI	K: 5836173 N.D.	BKG: 5836173 N.D.	0 (1)	2
Batch number: 09323196601B Sulfate	Sample 94	number(s)	: 5836171 90-110	-583617	4 UNSPI	X: 5836171 7.8	BKG: 5836171 7.8	0 (1)	20
Batch number: 09317020602B Total Suspended Solids	Sample	number(s)	: 5836171	-583617	4 BKG	: P835843 238	234	2 (1)	9
Batch number: 09321021201A Total Dissolved Solids	Sample 103	number(s)	: 5836171 54-143	-583617 0	4 UNSPI 12	K: P835818 619	BKG: P835818 630	2	9
Batch number: 09324022101A Ammonia Nitrogen	Sample 96	number(s) 95	: 5836171 64-128	-583617 1	4 UNSPI 8	K: P836521 N.D.	BKG: P836521 N.D.	0 (1)	2

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX by 624 Batch number: E093241AA

1,2-Dichloroethane-d4 Fluorobenzene 4-Bromofluorobenzene

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.



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Quality Control Summary

	ne: RMT, Inc. 11/23/09 at 05:14 PM	1	Number: 1170898
		Surrogate Qu	ality Control
5836171 5836172 5836173 5836174 5836175 Blank LCS LCSD MS	100 98 99 99 99 97 100 96 100	96 97 97 95 97 97 99	100 104 101 97 95 99 99
Limits:	76-114	80-120	86-115
Analysis Nam Batch number	ne: bis-(2-ethylhexyl)phth :: 09321WAA625 Nitrobenzene-d5	alate 2-Fluorobiphenyl	Terphenyl-d14
5836171	85	96	79
5836172	85	81	73
5836173	86	96	80
5836174	87	97	81
Blank	85	96	77
LCS	88	98	78
MS	89	95	79
MSD	90	97	82
Limits:	56-120	62-121	44-134
	ne: Volatile Headspace Hyd :: 093200007A Propene	rocarbon	
5836171	67		
5836172	72		
5836173	74		
5836174	81		
Blank	111		
LCS	98		
MS	69		
MSD	83		

*- Outside of specification

42-131

Limits:

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody



For Lancaster Laboratories use only

Group# 11708 98 Sample # 5836171-75

COC#

225678

j		· · ·	riease print. Ins	ill uou	3113 011	1000730	Side	CO/I	- into	CONTRACTOR CO.	******************************		SORTE SANS	100	i quite	437	12.17	For Lab Use Only		
(1	1) Client RMT TAC	Acct #				# ALL				Į 3	Zinning.	serva		SICH SUSSIN			- 12	FSC: SCR#:		_
	Client: PM TAC. Project Name/#: JENN FER OVERU	ZOROZEWSID:			-				4	0	Н		Q	<u> </u>	_	N	6	Preservation Codes		anus (22)
	Project Manager: JEwiFER Overo			35	_				203	EUTODUS	age of	243	SULFOR	NTOP	N, Freggy	-		H=HCl T=Thiosul N=HNO₃ B=NaOH	lfate	(6)
	Sampler Scott PAULKIEWIC	こ Quote#							8	200	800	Z	N	ЛП	1,12	Q		S=H ₂ SO ₄ O=Other		
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Environmental Sample Administration Receipt Documentation Log

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Entry Entry

Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- less than The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. ppm For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- parts per billion dqq
- Dry weight Results printed under this heading have been adjusted for moisture content. This increases the analyte weight basis concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

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TIC is a possible aldol-condensation product Analyte was also detected in the blank	B E	Value is <crdl, but="" due="" estimated="" interference<="" th="" to="" ≥idl=""></crdl,>
Pesticide result confirmed by GC/MS	М	Duplicate injection precision not met
Compound quatitated on a diluted sample	N	Spike amount not within control limits
Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
the instrument		for calculation
Estimated value	U	Compound was not detected
Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Concentration difference between primary and	*	Duplicate analysis not within control limits

Correlation coefficient for MSA < 0.995

Inorganic Qualifiers

U Compound was not detected

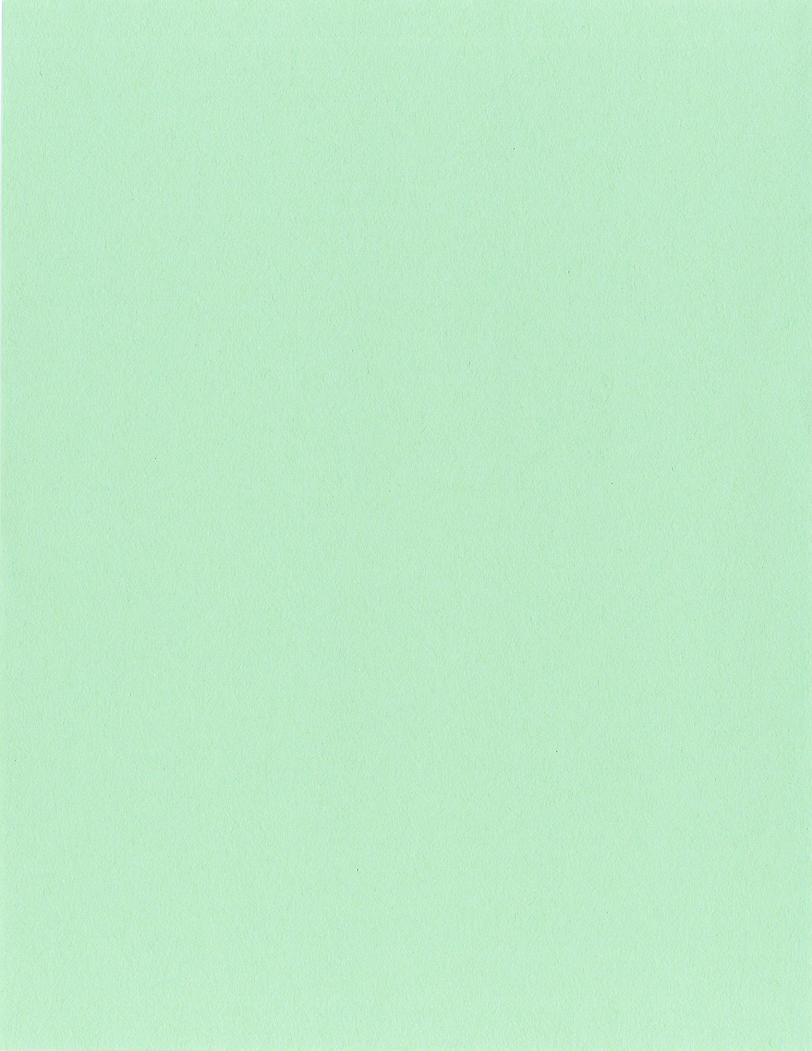
confirmation columns >25%

X,Y,ZDefined in case narrative

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have guestions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.





2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

RMT, Inc. PO Box 8923 Madison WI 53708-8923

608-831-4444

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

November 26, 2009

Project: L. E. Carpenter

Samples arrived at the laboratory on Saturday, November 14, 2009. The PO# for this group is 6527.35. The group number for this submittal is 1171152.

Client Sample DescriptionLancaster Labs (LLI) #MW-34s Grab Water5838094

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC RMT, Inc. Attn: Jen Overvoorde

COPY TO

1 COPY TO Data Package Group



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative Barbara A Weyandt at (717) 656-2300

Respectfully Submitted,

Julie A. Slaughenhoupt

Senior Specialist



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: MW-34s Grab Water

L.E. Carpenter, NJ

LLI Sample # WW 5838094

LLI Group # 1171152

Project Name: L. E. Carpenter

Collected: 11/13/2009 07:15 Account Number: 09322 by SP

Submitted: 11/14/2009 10:00

RMT, Inc. PO Box 8923

Reported: 11/26/2009 at 23:29

Madison WI 53708-8923

Discard: 12/27/2009

SDG#: LEC86-01* LED34

As Received

Dilution

Analysis Name No.

As Received CAS Number Result

Method Detection Limit

Factor

Metals Dissolved

mg/l SW-846 6010B

mg/l

CAT

0.0069

07055 Lead

7439-92-1 N.D.

General Sample Comments

State of New Jersey Lab Certification No. PA011 This sample was field filtered for dissolved lead.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Tim	ıe	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	093201848007	11/23/2009	05:41	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	093201848007	11/17/2009	09:52	Denise K Conners	1



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Page 1 of 1

Quality Control Summary

Client Name: RMT, Inc. Group Number: 1171152

Reported: 11/26/09 at 11:29 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 093201848007 Lead	Sample numbe	er(s): 583 0.0069	8094 mg/l	99		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: 093201848007 Lead	Sample	number(s)): 5838094 75-125	UNSPK:	P8370	042 BKG: N.D.	P837042 N.D.	0 (1)	20

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories	Acct. # <u>93</u>	Please print. In	Group#		-1157	2	Sam	nple #	59					, 2	مرد ا	C		2256	379	}
Client: RMT , INC.	Acct. #:					X (4		(5	Pre			Code		4011) 4011)		For Lab Us FSC: SCR#:			
Project Name#: LE CARPENTER Project Manager: JENNYPER OUERVOO Sampler: Scott Awwkiewic 3	PWSID	#: 6\$77,8	5	- 1, i				2 00									Preservation H=HCl N=HNO ₃ S=H ₂ SO ₄	T≈Thiosulfate B=NaOH		(6)
Name of state where samples were collected:	_	Time	3				THE WATER	N55. CE		j .							D			
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- 1	Type III (Reduced NJ)	Site-specific QC (MS/MSD/	Dup)? Yes No	1		 		<u> </u>		ļ	<u> </u>
- 1	Type IV (CLP SOW)	(If yes, indicate QC sample and submit tripficate volume	a.)	Relinquished by:		Date	Time	Received by:		Date	Time
- 1	Type VI (Raw Data Only)	Internal COC Required? Ye	es / No			}		Karie	Nautore	11/14/3	410:0



Environmental Sample Administration Receipt Documentation Log

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Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments		
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Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	I	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml

- less than The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
- > greater than
- parts per million One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. ppm For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
- parts per billion dqq
- Dry weight Results printed under this heading have been adjusted for moisture content. This increases the analyte weight basis concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

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Pesticide result confirmed by GC/MS	М	Duplicate injection precision not met
Compound quatitated on a diluted sample	N	Spike amount not within control limits
Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
the instrument		for calculation
Estimated value	U	Compound was not detected
Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Concentration difference between primary and	*	Duplicate analysis not within control limits

Correlation coefficient for MSA < 0.995

Inorganic Qualifiers

U Compound was not detected

confirmation columns >25%

X,Y,ZDefined in case narrative

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have guestions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Appendix D Photographic Summary



Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.39

Photo No. Date
1 11/10/09

Description

Standing near MW-29s looking southeast toward MW-30d, MW-30i, MW-30s.



Photo No. Date
2 11/10/09

Description

Standing near MW-29s looking West across site.





Client Name:	Site Location:	Project No.:
L.E. Carpenter & Company	Wharton, NJ	6527.39

Photo No. Date
3 11/10/09

Description

Standing at MW-30d, MW-30i, & MW-30s (shown in foreground) looking West across the site.



 Photo No.
 Date

 4
 11/10/09

Description

Standing near the wetland boundary looking North towards MW-30d, MW-30i, & MW-30s.





Client Name:Site Location:Project No.:L.E. Carpenter & CompanyWharton, NJ6527.39

 Photo No.
 Date

 5
 11/10/09

Description

Standing South of SW-D-4 looking east down the drainage ditch.



 Photo No.
 Date

 6
 11/10/09

Description

Standing near SW-D-4 looking North (upstream) in the drainage ditch.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.39

Photo No. Date 7 11/10/09

Description

Standing just outside of wetland area looking NE into wetland area. Monitoring wells MW-31s is shown in the picture.



Photo No.	Date
8	11/10/09

Description

Standing in the wetland area near MW-35s looking West towards the site. MW-34s and MW-32s are visible in the picture.





Client Name: Site Location: Project No.:

L.E. Carpenter & Company Wharton, NJ 6527.39

 Photo No.
 Date

 9
 11/10/09

Description

Ditch River Confluence (DRC-2). Looking south (downstream) in the ditch toward the Rockaway River.



Photo No.	Date
10	11/10/09

Description

Ditch River Confluence (DRC-2). Looking North (upstream) in the ditch toward the Beaver Dam and SW-D-5.



Appendix E Project Schedule